

Proposal # 2001- <u>B-201</u> (Office Use Only)
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PSP Cover Sheet (Attach to the front of each proposal)Proposal Title: Tuolumne River Restoration: Special Run Pool 10Applicant Name: Turlock Irrigation DistrictContact Name: Wilton G Fryer P.E.Mailing Address: PO Box 949, Turlock CA 95381Telephone: 209 - 883-8316Fax: 209 - 686-2143Email: wbfryer@tid.org**Amount of funding requested:** \$ 4,593,000

Some entities charge different costs dependent on the source of the funds. If it is different for state or federal funds list below.

State cost \$2,179,000Federal cost \$2,384,000**Cost share partners?**
 Identify partners and amount contributed by each

	<u>X</u> Yes	No
Cal Fed	<u>2,179,000</u>	<u>AFRP 2,384,000</u>
TID	<u>30,000</u>	

Indicate the Topic for which you are applying (check only one box).

- | | |
|--|--|
| <input type="checkbox"/> Natural Flow Regimes | <input type="checkbox"/> Beyond the Riparian Corridor |
| <input checked="" type="checkbox"/> Nonnative Invasive Species | <input type="checkbox"/> Local Watershed Stewardship |
| <input type="checkbox"/> Channel Dynamics/Sediment Transport | <input type="checkbox"/> Environmental Education |
| <input type="checkbox"/> Flood Management | <input type="checkbox"/> Special Status Species Surveys and Studies |
| <input type="checkbox"/> Shallow Water Tidal/ Marsh Habitat | <input type="checkbox"/> Fishery Monitoring, Assessment and Research |
| <input type="checkbox"/> Contaminants | <input type="checkbox"/> Fish Screens |

What county or counties is the project located in? Stanislaus**What CALFED ecozone is the project located in? See attached list and indicate number. Be as specific as possible** Zone 13

Indicate the type of applicant (check only one box):

- | | |
|---|---|
| <input type="checkbox"/> State agency | <input type="checkbox"/> Federal agency |
| <input type="checkbox"/> Public/Non-profit joint venture | <input type="checkbox"/> Non-profit |
| <input checked="" type="checkbox"/> Local government/district | <input type="checkbox"/> Tribes |
| <input type="checkbox"/> University | <input type="checkbox"/> Private party |
| <input type="checkbox"/> Other: _____ | |

Indicate the primary species which the proposal addresses (check all that apply):

- | | |
|---|--|
| <input checked="" type="checkbox"/> San Joaquin and East-side Delta tributaries fall-run chinook salmon | <input type="checkbox"/> Spring-run chinook salmon |
| <input type="checkbox"/> Winter-run chinook salmon | <input type="checkbox"/> Fall-run chinook salmon |
| <input type="checkbox"/> Late-fall run chinook salmon | <input type="checkbox"/> Longfin smelt |
| <input type="checkbox"/> Delta smelt | <input type="checkbox"/> Steelhead trout |
| <input type="checkbox"/> Splittail | <input type="checkbox"/> Striped bass |
| <input type="checkbox"/> Green sturgeon | <input type="checkbox"/> All chinook species |
| <input type="checkbox"/> White Sturgeon | <input type="checkbox"/> All anadromous salmonids |
| <input type="checkbox"/> Waterfowl and Shorebirds | <input type="checkbox"/> American shad |
| <input type="checkbox"/> Migratory birds | |
| <input type="checkbox"/> Other listed T/E species: _____ | |

Indicate the type of project (check only one box):

- | | |
|---|---|
| <input type="checkbox"/> Research/Monitoring | <input type="checkbox"/> Watershed Planning |
| <input type="checkbox"/> Pilot/Demo Project | <input type="checkbox"/> Education |
| <input checked="" type="checkbox"/> Full-scale Implementation | |

Is this a next-phase of an ongoing project? Yes ☒ No ☐
Have you received funding from CALFED before? Yes ☐ No ☐

If yes, list project title and CALFED number SR 29 97-M08

Have you received funding from CVPIA before? Yes ☒ No ☐

If yes, list CVPIA program providing funding, project title and CVPIA number (if applicable): AFRP Funds

SRP9: #1448-11332-97-J188

By signing below, the applicant declares the following:

- The truthfulness of all representations in their proposal;
- The individual signing the form is entitled to submit the application on behalf of the applicant (if the applicant is an entity or organization); and
- The person submitting the application has read and understood the conflict of interest and confidentiality discussion in the PSP (Section 2.4) and waives any and all rights to privacy and confidentiality of the proposal on behalf of the applicant, to the extent as provided in the Section.

Wilton B. Fryer
Printed name of applicant

Wilton B. Fryer
Signature of applicant

TUOLUMNE RIVER RESTORATION SPECIAL RUN POOL 10

EXECUTIVE SUMMARY

APPLICANT: The Turlock Irrigation District, as a California irrigation district, is a political subdivision of the State of California and a tax-exempt public agency.

CONTACT: Wilton Fryer 209-883-8316; FAX 209-656-2143; e-mail: wbfryer@tid.org

PARTICIPANTS: Tuolumne River Technical Advisory Committee (TRTAC) made up of the Turlock Irrigation District (TID), Modesto Irrigation District (MID), City & County of San Francisco (CCSF), California Dept. of Fish & Game (CDFG), and the U.S. Fish & Wildlife Service (USFWS). Collaborating stakeholder groups with TRTAC are the Tuolumne River Preservation Trust, Friends of the Tuolumne, California Sports Fishing Protection Alliance, Bay Area Water Users Association, East Stanislaus Resource Conservation District, National Marine Fishery Service (NMFS), and local mining operators and landowners in project area.

PROJECT COST: Total cost \$4,593,000. Funding requested from CALFED \$2,179,000. Cost sharing for the balance with USFWS through the CVPIA-AFRP and TID, MID, and CCSF providing funds through the TRTAC.

LOCATION: Ecological Zone 13. The overall Special Run Pool (SRP) 9 & 10 project complex involves a 0.9 mile reach (River Mile 25.1 to 26.0) of the lower Tuolumne River below La Grange Dam near Geer Rd. This is the second of two segments being reconstructed in this reach.

BIOLOGICAL & ERPP OBJECTIVES

1. Reduce salmonid fish predator habitat.
2. Reconstruct natural channel geometry within a 500 foot wide riparian floodway scaled to current channel forming flows that allow active fluvial processes to maintain the restored aquatic habitat.
3. Restore native riparian plant communities within their predicted hydrological regime.
4. Restore and increase habitat conducive to rearing and survival of San Joaquin fall-run salmon.

MONITORING PLAN: A project specific monitoring plan was developed as part of the mitigation measures in the EA/IS prepared for this project and it is designed to compliment the overall river wide monitoring program in the EIS for the FERC Settlement Agreement and Order for the Don Pedro Project. The basic components of the Mining Reach monitoring plan are:

1. Physical habitat changes: Pre and post construction changes will be recorded to assure that the desired channel contours and cross sections were built as designed and to assess geomorphological changes after major flood events.

2. Riparian habitat changes: Revegetation will require annual inspections during the first few years to confirm survival of planted materials and perform replanting if deemed necessary, followed with periodic assessment of natural changes in the vegetation mix.

3. Fish population changes: This will involve evaluation of pre and post project habitat conditions for both fish predators and salmon. Monitoring criteria would include items such as flow velocity, temperature, transit times through the stream channel, and sampling or observations of fish populations and spawning riffle conditions.

TUOLUMNE RIVER RESTORATION SPECIAL RUN POOL 10

I PROJECT DESCRIPTION

A. PROBLEM STATEMENT

The fall run chinook salmon in the tributaries of the San Joaquin River are currently listed as a species of concern by the USFWS. The Tuolumne River is the largest tributary of the San Joaquin River and the Don Pedro Project is the largest reservoir located above the fall-run chinook salmon spawning reach on the Tuolumne River. Don Pedro Reservoir is owned by the TID and the MID and is licensed by the Federal Energy Regulatory Commission (FERC). Anadromous salmonid populations in the lower Tuolumne River require adequate ecosystem health to achieve and sustain their potential productivity. Restoring and maintaining dynamic geomorphic processes are crucial for insuring healthy river ecosystems with natural productive salmonid populations. Complete restoration of a river ecosystem is infeasible for alluvial rivers regulated by large dams. Limiting factors, such as limited available spawning riffles and associated habitat, periodic entrapment of juvenile salmon in mining pits during high river flows, sediment management, etc., must be identified for prioritizing actions that would best improve the ecosystem, particularly salmonid habitat.

The Tuolumne River Technical Advisory Committee (TRTAC) was formed under the auspices of the 1995 Don Pedro Project Settlement Agreement (FERC License No. 2299). The TRTAC has goals that include restoring instream aquatic habitat and shaded riverine aquatic habitat for the primary benefit of San Joaquin fall-run chinook salmon in the Tuolumne River below La Grange Dam. To help guide their actions and those of others planning restoration projects, the TRTAC has developed a "Habitat Restoration Plan for the Lower Tuolumne River Corridor". This Habitat Restoration Plan details the science behind an integrated, long-term fish and riparian habitat restoration and monitoring program that utilizes adaptive management for enhancing the natural production of salmon in the Tuolumne River below La Grange Dam. The TRTAC and the AFRP have each funded \$17,500 towards developing this science based integrated restoration plan. An initial public outreach meeting was held with local City of Modesto and Stanislaus County public works and planning staffs in December of 1998. Adoption of a final plan was completed in March 2000. The Plan divides the river into four basic reaches with 14 segments representing where specific types of restoration projects could be applied within each reach. Some of these projects focus on restoration of geomorphic processes, others on riparian restoration and predator reduction, and still others deal with gravel re-introduction, cleaning, and sediment management.

The Tuolumne River supports a population of fall-run chinook salmon, whose numbers have fluctuated from 40,000 fish in 1985, to a low of 100 fish in 1991, and is on another upward swing with 7,000 spawners in 1997, 8,900 in 1998, and 7,900 in 1999. One of many stressors identified in recent studies on the Tuolumne River that limit salmonid populations are the aggregate extraction pits, which are a byproduct of extensive in-stream mining. Many of these

instream and off-channel pits have negatively impacted salmonid populations by fostering large populations of non-native predator fish (bass). Additionally, spawning and rearing habitats have been negatively impacted by either complete removal during aggregate extraction, degradation by channel encroachment from dikes along mining pits, or fine sediment infiltration. The January 1997 flood (estimated at 59,000 cfs) breached the adjacent mining pit and this increased the already known high levels of predation. This breach **is** scheduled to be repaired in conjunction with the restoration of the upstream SRP 9 in the late summer of 2000.

B. CONCEPTUAL MODEL & EXPECTED PROJECT BENEFITS

The underlying premise of the SRP 9 & 10 projects is that by creating the proposed sustainable riverine habitat both the native fishery and riparian species will benefit and stressors will be reduced. The impacts of predators on smolt survival are based on feeding studies, conducted by EA Engineering for the Districts. The prime target of this project is to improve the survival of juvenile salmon and smolts by reducing the habitat of introduced predator species, primarily largemouth bass. The riparian reforestation is intended to provide food and shade for the juvenile salmon. There is the added benefit to terrestrial species in providing a more continuous corridor of riparian habitat in the restored areas. The restored channel sinuosity is intended to provide a sustainable and dynamic river morphology, i.e., infrequent flood-related channel-bed movement with periodic scour, that partially or fully restores the processes associated with natural salmon production and survival. The project objectives include:

1. Improve salmonid spawning and rearing habitats by restoring an alternate bar (pool riffle) morphology, restoring rearing habitat within the meandering channel, and filling in-channel mining pits;
2. Improve juvenile salmon survival by preventing future connections between the Tuolumne River and the off-channel mining pit;
3. Restore native riparian communities on appropriate geomorphic surfaces (i.e., active channel and floodplain terraces) within the restored floodway;
4. Restore habitats for special status species (e.g., egrets, ospreys, hawks, and herons);
5. Restore and improve isolation of off-channel aggregate extraction pits that were connected to the Tuolumne River by the January 1997 flood;
6. Restore a fully vegetated riparian floodway width that will safely convey regulated flood flows up to 15,000 cfs;
7. Allow the river channel the ability to migrate within the restored floodway to improve and maintain riparian and salmonid habitat;

C HYPOTHESES & STRATEGY

The Habitat Restoration Plan identified 10 attributes of river system integrity that when in balance will provide for a dynamic riverine ecosystem. These attributes form the basis for the design objectives outlined above that will be used in the restoration and monitoring of the riparian floodway channel in the Mining Reach projects. The attributes are as follows: 1. Spatially complex channel shape, 2. Variable streamflow patterns, 3. Frequently disturbed

riverbed surface, 4. Periodic riverbed scour and fill, 5. Balanced fine and coarse sediment volumes, 6. Periodic channel migration and/or avulsion, 7. A functional floodplain, 8. Infrequent channel resetting floods, 9. Self-sustaining, diverse riparian corridor, and 10. Naturally fluctuating groundwater table.

D. ADAPTIVE MANAGEMENT

Monitoring and related fishery studies on the Tuolumne by the Districts and DFG since construction of the Don Pedro Project in 1971 have formed the basis for refining information on the stressors impacting fall run salmon and the types of restoration projects that should benefit the Tuolumne. The 4-Pumps program funded a small scale inchannel project on reforming riffle pool sequences in the upstream MJ Ruddy Segment of the Mining Reach. This restoration work was destroyed in the 1997 floods. Design lessons from that project have been incorporated into the larger scale designs of the current projects. Intended fluvial processes did occur at the bank full flows of 4,500 cfs that will be found in the current project. Limited revegetation success occurred in the 4 Pumps project area. The revegetation plan has been expanded and refined based on the lessons learned. Vegetation module types will be planted to better match the benches and zones associated with channel morphology. Topsoil will be incorporated in higher benches to provide an improved soil matrix for early survival. Periodic deep irrigations will be provided the first two years to improve survivability.

The quantity of materials for this project, 350,000 cubic yards, represents a very significant portion of the project cost, if these materials are imported aggregate. The SRP 10 reach of the river is more important as a juvenile salmon rearing area than for spawning habitat. As an alternative to import material, it may be possible to use adjacent terrace materials for the fill. The goal of this alternative is to reduce overall project costs and impacts on the aggregate industry, but the conservation easement costs would be higher than in the current budget. Studies will need to be made as to material suitability. Use of the terrace material for fill would involve purchase, from a willing seller, of a portion of the adjacent orchard and a larger conservation easement area. This alternative concept will be explored with the northern landowner during the initial design phase. The landowner is fully aware of the current design concept using imported materials.

II PROPOSED SCOPE OF WORK

A. LOCATION

The overall SRP 9 & 10 Reach project in Ecological Zone 13, East San Joaquin Basin covers a 0.9 mile length of channel and is located on the lower Tuolumne River, between river mile 25.1 and river mile 26.0, approximately 15 miles east of Modesto in Stanislaus County shown in Figure 1. This PSP covers Special Run Pool 10. The project location on the Tuolumne River is shown in Figure 2 with a center point at USGS location in Quarter Corner (center) of Section 3 RIOE T4S MDB&M. EAIS Figure 10 is an aerial photo of the SRP 9 & 10 projects that outlines the extent of the project and the relationship to the surrounding land uses.

B. PROJECT DESCRIPTION AND APPROACH

The TRTAC specifically identified both SRP 9 & SRP 10 as prime “predator isolation” projects for the Tuolumne River. On behalf of the TRTAC, the firm of McBain & Trush has developed the project concept design for the proposed habitat restoration work based on geomorphology and fluvial process in a reforested riparian floodplain. The design for this project will be further refined based on the experience gained in completing the design and construction of the upstream SRP 9.

These two adjacent restoration segments including their associated revegetation are to be reconstructed over a three to four year period, with SRP 9 to be reconstructed first starting in 2001 followed by SRP 10 starting in 2002. These two SRPs are stand alone projects, however the CEQA/ NEPA mitigated EA/IS was done together to facilitate future CALFED and AFRP funding for the SRP 10 civil design, permitting, conservation easements, revegetation design, and restoration construction. Currently, SRP 9 is planned for one year of construction. Originally, the Air Resources District mitigation proposed in the EA/IS indicated that construction of SRP 9 should be over a period of two years because of the coinciding magnitude of construction planned for the first year in the Mining Reach restoration projects. Delays in the start of SRP 9 have negated this need for such mitigation. However, SRP 10 is still anticipated to take two years to construct given the much larger volume of imported fill material involved.

The SRP 9 & 10 restoration can also be seen as a demonstration project to test the effectiveness of the proposed restoration project design and work and the feasibility of performing similar type fish and riparian habitat restoration work in other rivers and streams within the Central Valley. The SRP 9 & 10 projects will return this 0.9 mile reach of river to a more natural, dynamic channel morphology that will improve, restore and protect instream aquatic habitat and shaded riverine aquatic habitat for San Joaquin fall-run chinook salmon productivity and will help restore natural hydrological and geomorphic processes. Terrestrial species will also benefit from a more continuous corridor of riparian habitat in the restored areas.

The SRP restoration work consists of filling in deep (10 to 34 feet below normal channel grade in SRP 10) lake like pool areas created by past instream gravel mining and re-creating a riffle and run pattern that follows the restored meander channel of the river. The channel will be reformed into a 500 foot wide riparian floodplain complete with native vegetation planted on fill terraces in a mix similar to that found along undisturbed segments of the river. The aerial extent of the project area including the restoration work proposed is shown in EA/IS Figure 10. A typical cross-section through the restored area is shown in Figure 3. The reconstructed floodway channel cross-section will be hydraulically sized to be an active riverine channel at currently regulated flows. The bank full flow will be 4,500 cfs. The flows periodically could reach as high as 15,000 cfs for short periods. The rebuilt channel is sized assuming a river stage elevation that results from full grown riparian forest vegetation at design flows. It is anticipated and planned that during such high flow events there will be some movement of the channel within

the flood plain that will be of benefit in maintaining the riparian habitat. The river channel will allow channel meander to provide a sustainable and dynamic river morphology, i.e., flood flow-related channel-bed movement with periodic scour, that partially or fully restore the processes associated with natural salmon production and survival. To minimize long term future maintenance expenditures, this restoration work is being designed with the intent to provide a self maintaining riparian floodway channel once the revegetation is completed and established.

The SRP 9 & 10 projects were originally developed as one project because of their proximity to each other along the river. From a practical construction and funding point of view, they are two projects, each with a very similar scope of work. Lessons learned in first constructing the smaller SRP 9, will be incorporated in adjusting the final design of SRP 10. Both projects will use the same access routes to the local county road system.

The heavy reconstruction work in the river is anticipated to be limited for fishery reasons to an annual opportunity window of about 90 workdays from June through September when salmon are not as abundant in the river. It may be possible to stockpile fill materials at the site before the 90 day period to reduce the truck traffic during the construction period. Construction above the water level can proceed after 1 October, but should be completed before December to avoid the potential of early flood releases damaging incomplete work and to allow for revegetation planting. The restoration plantings are also seasonally restricted to the winter months when planting materials are dormant.

The materials for this project will need to be imported into the site. The anticipated sources of materials are deposits of dredger tailings along the upper Tuolumne River. One benefit of using the tailings from the Tuolumne is that it may be possible to restore additional floodplain habitat during the mining of the excavation areas. A second option is to utilize some of the clean rock materials from January 1997 flood debris excavated from La Grange reservoir. This will reduce economic impacts on local aggregate supplies because these materials are of little economic value as aggregate. Alternatively, the material could come from active off channel and off site gravel mining areas between Geer Road and La Grange. The project EA/IS identified and addressed mitigation for utilization and transportation of the various sources of restoration materials available for this project. Additionally there are tailing deposits near Snelling along the Merced River that might be available.

This proposal seeks CALFED funding sources available after October 2000 (FY2001) for the second portion of the Special Pool Reach restoration work known as SRP 10. This project is the next segment after the SRP 9 project construction that is currently funded by AFRF and CALFED. Currently AFRP has funded pre-construction; project specific monitoring started in the spring of 1998. Construction in the SRP 9 is anticipated to start in the late summer of 2000, with the repairs to the SRP 10 dike. Permitting and construction design for the upstream SRP 9 will be completed late summer 2000 under existing AFRP and CALFED contracts, with acquisition of conservation easements in the fall of 2000 and construction anticipated to start in June 2001.

With funding from this PSP, final design, permits, and conservation easements for Project No. 2, SRP 10 restoration, will be acquired from spring 2001 to spring 2002 with construction starting in spring 2002. This project ties into the permanent floodplain channel reconstruction at the downstream end of the SRF 9 project.

C. MONITORING PLAN

A detailed mitigation and monitoring program was developed with the project EA/IS. Table 1 developed from the EA/IS summarizes the basic monitoring program over the life of the restoration project. Table 2 outlines the monitoring and data collection that will be used to track the activities. The monitoring activities can be grouped into three basic areas.

1. **Physical & Geomorphic Processes:**
Pre and post construction changes will be recorded from the as-built engineering drawings. This assures that the desired channel contours and cross sections were built as designed and these as-built records can be used to assess future geomorphological changes after major flood events. Tracer rock studies will be used to monitor bedload movement.
2. **Riparian habitat:**
Revegetation will require annual inspections during the first few years to confirm survival of planted materials, perform replanting if deemed necessary, and to assess natural changes in the vegetation mix. Monitoring vegetation would then be reduced to evaluations after significant flood events. The layout of hexagonal planting modules is designed to facilitate monitoring because the center point for any "hex" can be relocated at a later date from the as-built drawings to allow for post project monitoring. There are 20 different hexagonal planting units classed by predominant vegetation type. These planting units are grouped together to recreate the diverse mosaic patches and strings of vegetation found on undisturbed areas of the Tuolumne.
3. **Fishery Resources changes:**
This will involve evaluation of pre and post project changes in habitat conditions and populations for both fish predators and salmon. Monitoring criteria would include items such as flow velocity, temperature, comparisons of estimated transit time through the old **vs.** new stream channel, combined with sampling observations of fish populations and spawning riffle conditions.

Pre project monitoring started in 1998 to provide two seasons of baseline conditions for project evaluation. Bedload transport sampling was conducted in March 2000 under separate TRTAC funding and the results will be applied to refining the physical process monitoring. Post project monitoring will start after the completion of the SRP 9 Segment. Generally the project funded monitoring for a given segment will extend for 2 years after the completion of construction and revegetation. The project specific monitoring was designed to compliment the fishery monitoring requirements of the FERC Settlement Agreement. Annual monitoring

summaries will be provided to the TRTAC.

The first level of peer review for monitoring comes from the biologists that make up the regular representation on the TRTAC. There is a monitoring subcommittee of the TRTAC charged with close technical review of the FSA and project specific monitoring. Stillwater Sciences provides technical design of monitoring programs and statistical analysis of the results. At the request of the TRTAC, the UC Davis Centers for Water and Wildland Resources prepared a peer review evaluation of competing fry and smolt survival methods currently used on the Tuolumne River on 18 December 1998.

D. PROJECT SCHEDULE

The attached project timeline shows the schedule of major activities for the two SRP projects in relation to the four Mining Reach Projects. Design and permitting work will start on this project in March 2001 with conservation easement acquisition starting in June 2001 and construction starting in June 2002.

E. IMPLEMENTABILITY

This is the fifth of several restoration projects being proposed for the Tuolumne River based on the Habitat Restoration Plan developed by the TRTAC. The staff will continue to work closely with the affected landowners and mining operators in the development of site specific adjustments during the design phase to create final plans. The firm of EDAW, Inc. was hired to assist with the CEQA, NEPA, and permitting work. The NEPA work was jointly prepared with the USFWS and coordinated with the AFRP program. A mitigated EA/IS was jointly developed between TID, as project manager & lead agency, and the USFWS as a Federal funding agency. The EA/IS was tiered off the 1995 EIS for the FERC Settlement Agreement for the Don Pedro Project. Public and agency comments were heard in July and August 1998 and the comments focused on economic issues of compensation for conservation easements and lost availability of aggregate supplies. No environmental comments were received. An addendum to the proposed mitigation measures addressing the comments received was finalized and adopted in June 1999 and is listed as State Clearing House #98052070. The mitigation is designed to avoid a take of listed species such that take permits under ESA \ CESA should not be required. A programmatic Section 7 consultation process was started with USFWS for the 7\11 Segment regarding elderberry that will apply to the SRP projects and those in the Mining Reach. The riparian planting plans include modules of elderberry within the floodway.

Construction design, revegetation design, permitting, monitoring, and acquisition of conservation easements are being done for the each of the SRP projects as funding becomes available. Construction and revegetation funding will also be requested for each separate project segment. The funding requests may be divided among different construction, revegetation, and monitoring tasks of the project for ease of tracking and administering differing funding sources.

Creation of the riparian floodway habitat zone will require the long-term maintenance of

project improvements. TID and MID will jointly hold conservation easements from willing sellers that protect the public investment, but at the same time protect the land owner's property and water rights. The bulk of the SRP projects involve filling in what is currently State Lands within the river. The finalization of the EA/IS required resolution of the complex compensation issues involved with the acquisition of the conservation easements starting in the Mining Reach with the 7\11 Segment. The terms of the District's control of the conservation easements has taken time to resolve with the landowners due to their concerns over potential liability and public access to their land. Perpetual maintenance of easement facilities will be by the Districts. Figure 4 shows in a cross section typical easement elements that are involved in the ROW issues.

The following is a list of the agencies and associated permits to be acquired with the assistance of the firm EDAW in each of the four Mining Reach Project segments.

- 1) A Nationwide 27 Permit from the USACE, including a 404 wetlands delineation.
- 2) A 1600 Series Streambed Alteration Agreement from CDFG.
- 3) A Mining Lease and Boundary Delineation finding from the State Lands Commission.
- 4) A RWQCB 401 Water Quality Permit.
- 5) An Encroachment Permit from the Reclamation Board.

The map, Figure 10 from the EA/IS, shows how the typical design and restoration treatments are integrated for both SRP 9 and SRP 10 between river mile 25.1 and 26.0.

TABLE 1. SRP Monitoring Elements & Budget: schedule based on a sequence of hypothesized flows.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Hypothetical annual peak discharge in cfs		3650	7280	2980	1200	10400	8010	6870		
CONSTRUCTION	SRP 9		SRP 10							
MONITORING ELEMENTS										
SRP 9										
GEOMORPHOLOGY	Pb	ab, rx	rx, n, xs, thal	rx*, xs, thal	xs	xs, thal				
FISHERIES	ef, sv, map	ef, sv, map, sss	ef, sv, sss	ef, sv, sss	Sss	sss	sss	sss#		
RIPARIAN		ab, DD, \$	\$	DD	DD	DD	DD			
SRP 10										
GEOMORPHOLOGY~	Pb		ab, rx, xs, thal	rx*, xs, thal	xs	xs, thal				
FISHERIES	ef, sv, map	ef, sv	ef, sv, sss	ef, sv, map, sss	Sss	sss	sss	sss#		
RIPARIAN			ab, pp, \$	\$	PP	PP	PP	PP		
MONITORING BUDGET										
Geomorphic Processes	1,600	3,500	20,900	0	0	19,500	15,600	3,900	0	
Fisheries Resources	75,700	56,400	58,500	51,100	4,200	2,100	0	0	0	
Riparian Resources	0	8,200	0	16,300	8,200	8,200	16,300	0	8,200	
Annual Report	3,900	4,600	6,400	5,200	3,100	7,700	6,000	4,100	900	4c
TOTAL	81,200	72,700	85,800	72,600	15,500	37,500	37,900	8,000	9,100	4c

Geomorphology symbols: pb=pre-built channel topography; ab=as-built channel topography; n=manning's "n"hydraulic calculation; rx= bed mobility with tracer rocks; thal= channel vertical adjustment with thalweg profile;

xs= channel planform adjustment with cross-section profiles; *=bed mobility observed;

Fisheries symbols: ef=bass abundance by electrofishing; sv=smolt survival estimate; map=habitat mapping; sss=annual spawning and seining surveys; #denotes that spawning surveys will occur annually by CDFG

Riparian symbols: pb=pre-built vegetation; ab=as-built vegetation; pp=project performance plots; bio=bioengineered bank protection; \$=last year of irrigation

TABLE 2 Turlock Irrigation District AFRP – CALFED Project Monitoring Plan Summary

Project: Tuolumne River -- Special Run Pool (SRP) 10

12 May 00

Summary of Ecological & biological objectives, hypotheses, and monitoring parameters and approaches:

1) Objective: Reduce salmon fish predator habitat			
Hypothesis	Monitoring Parameter	Data Evaluation Approach	Comments
A. Reduce predation from non-native species with elimination of habitat created by in-channel mining pits.	Pre vs. post project construction changes.	Measure channel cross sections after construction. Using as-built drawings and topographic and photogrametry data.	Largemouth & smallmouth bass are the primary target species.
	Conversion of habitat	Compare temperature, flow velocity, transit time estimates, etc.. under pre & post construction conditions.	
	Predator population density	Pre and Post construction surveys of fish populations	Snorkel and electro-fishing
	Salmon Smolt survival	Multiple mark recapture of smolts using RST below site.	In conjunction with river wide monitoring program

2) Objective: Restore and increase habitat for natural salmon production			
Hypothesis	Monitoring Parameter	Data Evaluation Approach	Comments
A. Restore alternate bar (pool riffle) morphology.	Pre vs. post construction and topographic changes.	Measure channel cross sections after construction from as-built drawings.	As-Built drawing becomes starting point for fluvial process monitoring.
B. Restore spawning habitat.	Area of riffles created from channel re-construction	Evaluate use during spawning period, redd counts, etc.	

3) Objective: Reconstruct a natural channel geometry scaled to current channel forming flows			
Hypothesis	Monitoring Parameter	Data Evaluation Approach	Comments
A. Geomorphological & fluvial process occur at channel forming flows (5,000 cfs)	Channel thalweg movement	Measure cross sections after flow events of predetermined magnitude.	Frequency of occurrence subject to random timing of flow events. Target three samples.

4) Objective: Restore native riparian plant communities within their predicted hydrological regime			
Hypothesis	Monitoring Parameter	Data Evaluation Approach	Comments
A. Composition and distribution of native riparian vegetation can be re-established.	Survival: 90 % 1 st year, 70 % 2 nd year, & 60 % 3 rd year with 10 % increase in cover in same period.	Set up permanent plots to track survival. Evaluate vigor, size, species dominance, canopy coverage, etc.	Plants will be irrigated for year 1 & 2
B. Establish different plant series on appropriate reconstructed geomorphic surfaces.	Pre & Post construction vegetation mapping.	20 separate landscape types, based on a 50 ft wide hexagon planting unit, will be used to re-create plant community diversity within flood plain.	Protection from beavers will be necessary.

III ECOLOGICAL & BIOLOGICAL BENEFITS

A. ERP GOALS and CVPIA PRIORITIES

The Special Run Pool projects address the ERPP objectives and visions for the Tuolumne River Ecological Unit identified on pages 409 & 410 of the ERPP Vol. II. These include restoration of stream & riparian habitat; ecological processes; gravel recruitment, transport, and cleaning processes; a diverse self-sustaining riparian corridor; and predator reduction.

B. RELATIONSHIP TO OTHER ECOSYSTEM RESTORATION PROJECTS

The SRP 10 Segment is the second of two segments in the 0.9 mile long Special Run Pool Project. Upstream at river mile 34.2 to 40.3 the TRTAC is sponsoring four floodway restoration projects known as the Mining Reach Project. Construction of the 7\11 Segment is planned to begin in June 2001. These Mining Reach projects involve creating 500 foot wide setback dikes and restoring a meandering riffle pool sequence within the riparian floodway channel, including refilling mining pits, to create improved spawning and rearing habitat. Further upstream near La Grange the DFG has a multiphase gravel introduction project that started in 1999. The AFRP has also funded development of a long-term sediment management plan for this area and work is anticipated to start in 2000. Downstream of the SRP projects there are riparian habitat projects like the Grayson River Ranch sponsored by the Friends of the Tuolumne and funded by AFRP and NRCS. These projects are linked by the following overall restoration concept. Improvements in spawning conditions in the upper reach of the river combined with increased and improved spawning areas and habitat in the Mining Reach area plus reduced predation in the SRP areas will result in higher and more stable levels of natural fall-run salmon production.

D. PRIOR CALFED-AFRP FUNDING FOR SRP PROJECTS

The AFRP, CALFED, CF-USBR Bay Delta, and the Districts have funded the upstream SRP 9 Segment starting in September 1997. Total authorization to date is \$2,812,500.

IV APPLICANT QUALIFICATIONS

Since 1971, TID, MID, and CCSF have, in cooperation with DFG and USFWS, monitored river conditions and developed programs that enhance the natural production of fall-run chinook salmon in the Tuolumne River. The project manager for these activities has been TID.

A. TRTAC and Other Local Support for Project

The firm of McBain & Trush was retained in 1996 by TID through the TRTAC to develop an integrated, long-term salmon and riparian habitat restoration plan for the Tuolumne River below La Grange Dam using fluvial geomorphology principles. They prepared preliminary designs for specific restoration projects, which had been approved by the TRTAC participants as high priority projects. The two SRP projects had long been identified as a portion of the river that had been substantially altered by past inchannel aggregate mining operations. The TRTAC participants identified the 0.9 mile long SRP 9 & 10 projects as an important time-sensitive opportunity to demonstrate predator reduction strategies by reconstructing this portion of river channel to restore more natural geomorphic processes and riparian forest conditions.

B. Project Management

The Program Manager is Wilton Fryer, P.E. Mr. Fryer graduated from the University of California at Davis with a BS in Soil & Water Science, an MS in Irrigation Science, and later an ME in Civil Engineering with an emphasis in water resources. He is currently registered as both a Civil Engineer and an Agricultural Engineer. Accomplishments: Development and implementation of the Oakdale Irrigation District Irrigation Master Plan. Directed a \$22 million canal rehabilitation project for OID where 54 miles of dirt canals were replaced with pipe. Development of the OID domestic water service system. Designer and project manager for a replacement water treatment plant for the TID La Grange Domestic Water System. Restoration program manager for TID since July 1996.

Tim Ford has been the staff aquatic biologist for both TID and MID since 1981. Mr. Ford graduated from the University of California at Davis with BS in Wildlife & Fisheries Biology in 1977. He worked as a Biological Technician for the Modoc, Tahoe, and Stanislaus National Forests prior to working for the Districts. Mr. Ford is tasked with planning, coordinating and conducting the aquatic resources program for the Districts, and his responsibilities at TID include field studies, monitoring programs, program development, consultant supervision, and coordination with Don Pedro project operations.

TID staff will provide contracting support and financial service support as needed. Consultants retained during the first phase of the Mining Reach and SRP 9 projects continue to be retained for subsequent phases of the projects to insure continuity in the design and analysis. The engineering firm of HDR, Inc. has been retained to prepare detailed construction plans and specifications, assist with project management and oversee construction management. The firm

of HART, Inc., will provide revegetation design and native plant materials. The firm of EDAW Inc. has been retained to perform the CEQA and NEPA environmental work, prepare biological surveys, and to obtain necessary permits.

C. Consultants

The firm of McBain & Trush has performed project concept design work, and will continue to provide oversight of the civil construction design work, revegetation design and implementation, and fluvial process monitoring. McBain & Trush is a professional consulting partnership specializing in applying fluvial geomorphic and ecological research to river management and restoration, particularly in regulated river ecosystems. The principals on this project are Scott McBain, Dr. William Trush, and John Bair. Scott McBain is a hydraulic engineer and fluvial geomorphologist with an MS in Civil Engineering from the University of California at Berkeley. He specializes in effects of high stream flows on channel morphology, bedload transport, watershed sediment yields, and stream restoration. Dr. William Trush is an adjunct professor in the California State University Humboldt (CSUH) Fisheries Department, specializing in anadromous fish ecology, anadromous fish interactions with fluvial geomorphology, channel maintenance flows and hydrology, riparian ecology, and stream restoration and management. He is also Director of the CSUH Institute for River Ecosystems. John Bair is a riparian botanist with an MS in Environmental Systems from CSUH. He specializes in riparian interactions with geomorphic processes and riparian restoration.

The firm of Stillwater Sciences has been retained to assist with the design and implementation of the fishery monitoring plan components. Stillwater Sciences is actively involved with the river wide monitoring associated with the Districts' FERC Settlement Agreement.

V COSTS AND SCHEDULES

A. BUDGET COSTS

The total project cost is estimated to be \$4,593,000. The CALFED is being asked to fund 47% of the costs for the SRP 10 Project. The total amount being requested from CALFED is \$2,179,000, consisting of \$1,785,000 for construction and floodplain reconstruction, \$161,000 for construction management, \$54,000 for project management, with a \$179,000 construction contingency. The USFWS-AFW is being asked to fund 52% of the project, or \$2,384,000; including \$1,191,000 for construction, \$324,000 for revegetation, \$257,000 for engineering and permits, \$50,000 for conservation easements, and \$174,000 for project monitoring. The Districts will be contributing \$30,000 to the monitoring and permitting costs. The project budget summary is shown in Table 4 and Table 5 shows the funding break down by source. The quarterly funding estimates are shown in Table 6. There are cost uncertainties due to demand on construction materials. Market costs for in-place aggregate have risen 20%, from \$4 per ton to \$5 per ton, in the past year.

TABLE 3 PROJECT BUDGET SUMMARY

TUOLUMNE RIVER SRP 10 REACH RESTORATION

SRP 10 SEGMENT RM 25.6 to 25.1

Construction Task	Description of work	cost	Funding Source
Phase 2A	South Bank Restore Channel	833,000	AFRP
Phase 2B	South Bank Restore Floodplain	358,000	AFRP
Phase 3A	North Bank Restore Channel	1,249,000	CALFED
Phase 3B	North Bank Restore Floodplain	536,000	CALFED
	sub total	2,976,000	
Phase 4	Revegetation	234,000	AFRP
All Phases	Monitoring 2001 to 2003	174,000	AFRP
All Phases	Conservation Easements	50,000	AFRP
All Phases	Design engineering	5%	161,000 AFRP
All Phases	ROW Engineering	3%	96,000 AFRP
All Phases	NEPA, CEQA, Permits		30,000 DISTRICTS
All Phases	Irrigation of Revegetation		90,000 AFRP
	sub total	835,000	
	Contingency	10%	379,000
	Construction Management	9%	289,000
	Project Management	3%	114,000
	sub total	782,000	
	PROJECT TOTAL	4,593,000	

**TABLE 4 PROJECT BUDGET SUMMARY by
FUNDING SOURCE**

TUOLUMNE RIVER SRP 10 REACH RESTORATION

SRP 10 SEGMENT RM 25.6 to 25.1

Construction Task	Description of work	cost
-------------------	---------------------	------

CALFED Share

Construction	60%	1,785,000
sub total		1,785,000
Contingency	10%	179,000
Construction Management	9%	161,000
Project Management	3%	54,000
CALFED Total	47%	\$ 2,179,000

AFRP Share

Construction	40%	1,191,000
Revegetation	100%	234,000
Monitoring	100%	174,000
Conservation Easements	100%	50,000
Design engineering	100%	161,000
ROW Engineering	100%	96,000
Irrigation of Revegetation	100%	90,000
sub total		1,996,000
Contingency	10%	200,000
Construction Management	9%	128,000
Project Management	3%	60,000
AFRP Total	52%	\$ 2,384,000

DISTRICTS share	NEPA, CEQA, Permits	1%	30,000
Project Total			\$ 4,593,000

TABLE 4 **PROJECT BUDGET SUMMARY by SOURCE**

TUOLUMNE RIVER SRP 10 REACH RESTORATION

SRP 10 SEGMENT RM 25.6 to 25.1

Construction Task from Figure 9	Description of work	cost
CALFED Share		
	Construction	60% 1,785,000
	sub'total	1,785,000
	Contingency	10% 179,000
	Construction Management	9% 161,000
	Project Management	3% 54,000
	CALFED Total	47% \$ 2,179,000
AFRP Share		
	Construction	40% 1,191,000
	Revegetation	100% 234,000
	Monitoring	100% 174,000
	Conservation Easements	100% 50,000
	Design engineering	100% 161,000
	ROW Engineering	100% 96,000
	Irrigation of Revegetation	100% 90,000
	sub total	1,996,000
	Contingency	10% 200,000
	Construction Management	9% 128,000
	Project Management	3% 60,000
	AFRP Total	52% \$ 2,384,000
DISTRICTS share		
	NEPA, CEQA, Permits	1% 30,000
	Project Total	\$ 4,593,000

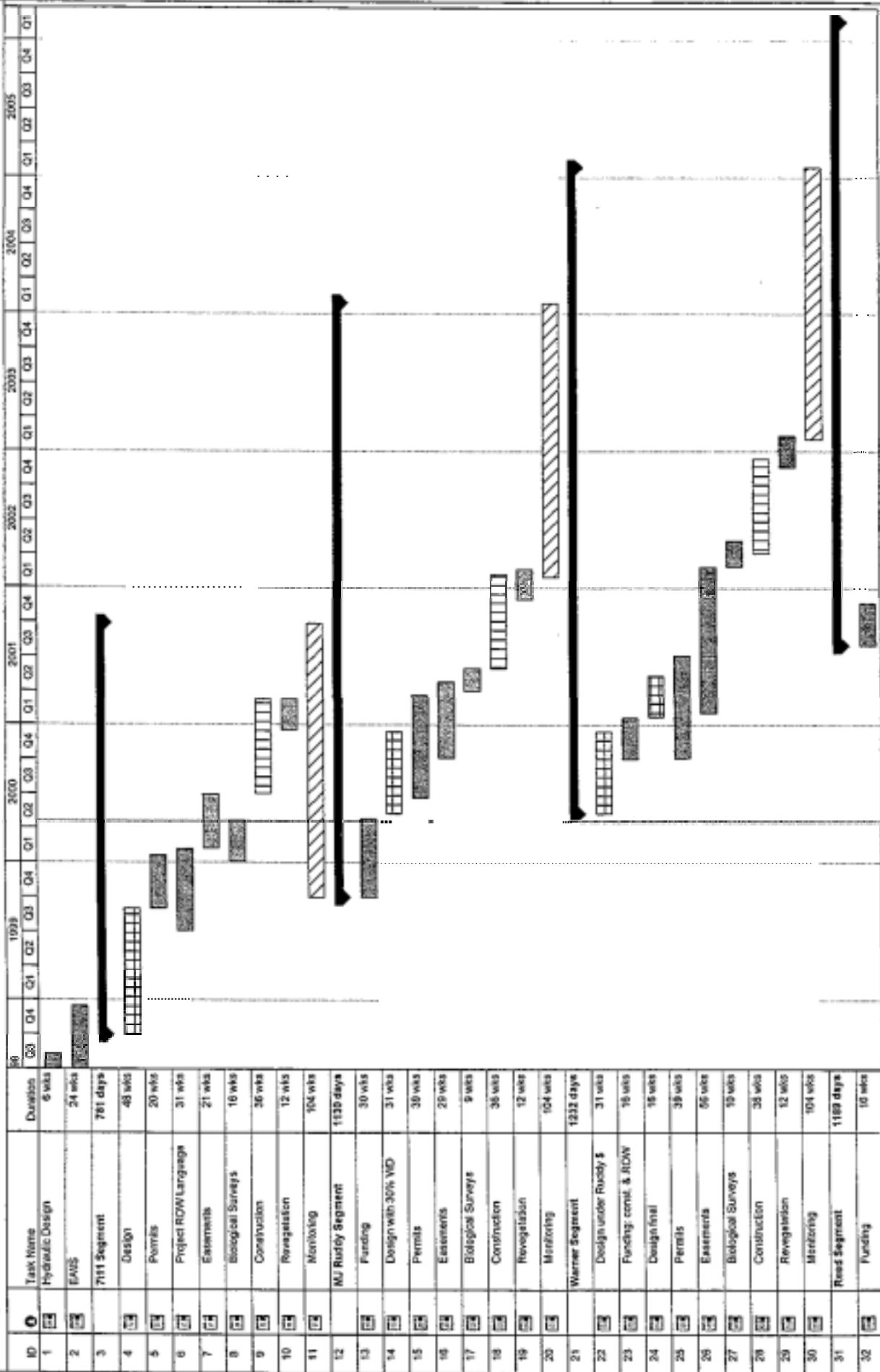
TABLE 5

QUARTERLY PROJECT BUDGET ESTIMATES

SRP 10 SEGMENT RM 25.6 to 25.1

		Rounded to nearest \$1,000												Budget Total	Funding Source
Task	Description of Work	2001			2002				2003				2004		
		Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
2A	South Bank Restore Channel					100	633	100						833	AFRP
2B	South Bank Restore Floodplain									50	200	108		358	AFRP
3A	North Bank Restore Channel					120	979	150						1,249	CALFED
3B	North Bank Restore Floodplain									50	300	186		536	CALFED
	subtotal					220	1,612	250		100	500	294		2,976	
4	Revegetation							34				200		234	AFRP
	Monitoring 2001 to 2003						86				73		15	174	AFRP
	Conservation Easements				50									50	AFRP
	Design engineering	61	100											161	AFRP
	ROW Engineering		50	46										96	AFRP
	NEPA, CEQA, Permits			30										30	DISTRICTS
	Irrigation of Revegetation												90	90	AFRP
	subtotal	61	150	76	50		86	34			73	200	105	835	
	Contingency 10%					12	98	15		5	30	19		179	CALFED
		6	15	5	5	10	72	13		5	27	31	11	200	AFRP
	Construction Management 9%					11	88	14		5	27	17		162	CALFED
						9	57	12		5	18	28		129	AFRP
	Project Management 3%					4	29	5		2	9	6		55	CALFED
		2	5	1	2	3	22	4		2	8	9	3	61	AFRP
	subtotal	8	20	6	7	49	366	63		24	119	110	14	785	
	PROJECT TOTAL	69	170	82	57	269	2,064	347		124	692	604	119	4,596	
	CALFED share					147	1,194	184		62	366	228		2,181	
	AFRP share	69	170	52	57	122	784	163		62	253	376	104	2,211	

Rounding to nearest \$1,000 in Contingency, CM, and PM results in higher totals than Table 4



Project: Mining Reach & SRP's

Date: Tue 4/18/00

Warner-Deardoff Segment

T-K

E

P

gross

Milestones

Summary

Rolled Up Task

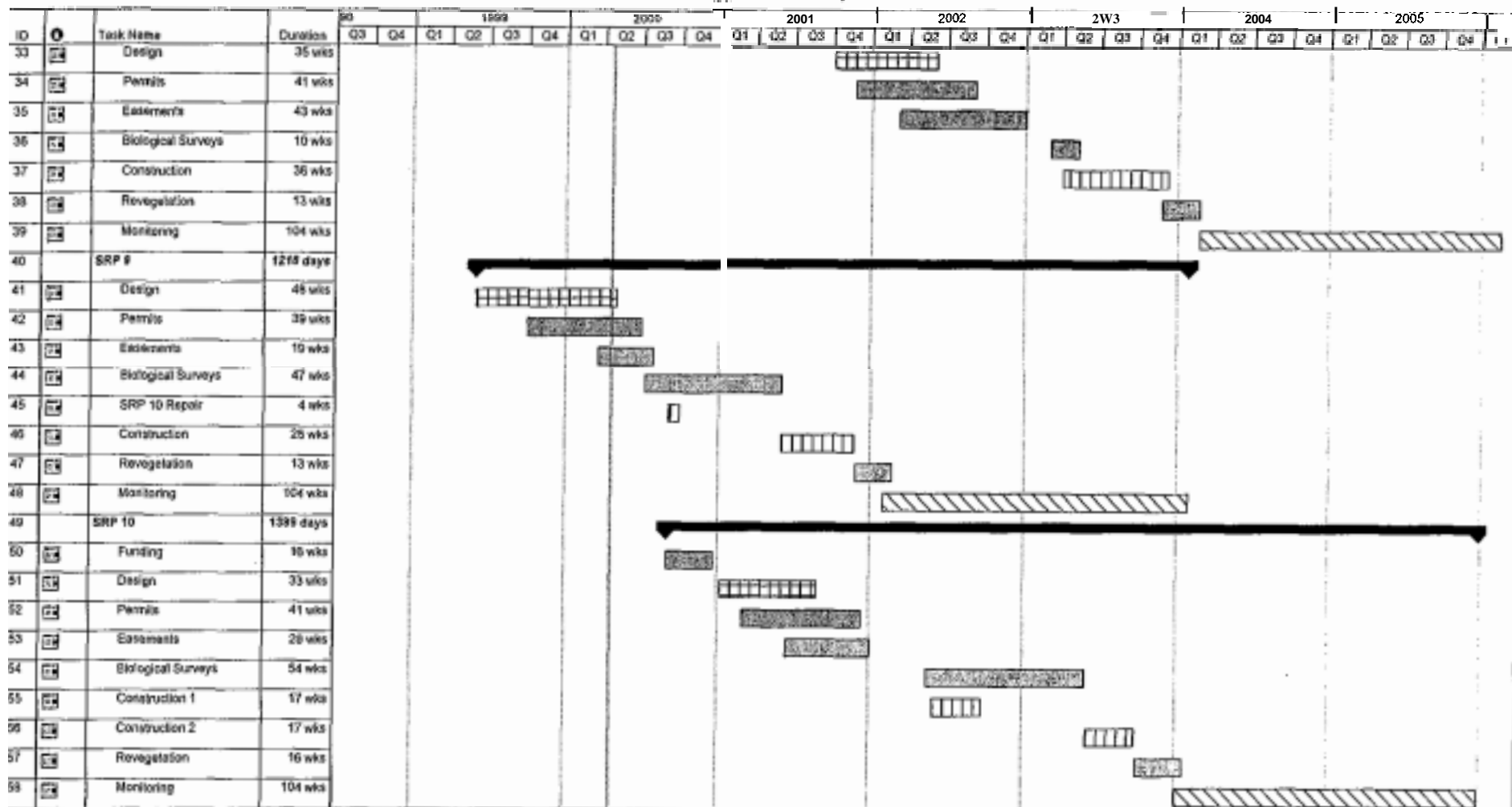
Rolled Up Split

Rolled Up Milestones

Rolled Up Progress

External Tasks

Project Summary



Project: Mining Reach & SRP's
 Date: Tue 4/18/00
 Warner-Deardorff Segment



V LOCAL INVOLVEMENT

A. THIRD PARTY IMPACTS

The parties most directly impacted by the proposed project are the local landowners. The TID staff and consultants started working with local stakeholders in 1997 and will continue to meet with the affected stakeholders to listen to and address their individual concerns. Recognizing those individual concerns, the landowners have been cooperative and supportive of the project. Periodic meetings are held with the executive committee of the landowners that will be involved with all six restoration projects the TRTAC has identified, even those not yet funded. Typical discussions at these meetings include restoration project activities, terms and conditions in conservation easements, ROW appraisal processes, USFWS hazardous material surveys, project design issues, etc. The Districts have initiated sending periodic restoration news letters to the land owners in addition to the meeting minutes sent from the land owner committee.

The formal process to acquire necessary conservation easements from willing sellers for the first phase of construction started in February 1999 in the 7/11 Segment of the Mining Reach. The landowners and mining operators have asked that design, ROW engineering, and property appraisals for conservation easements are completed prior to entering into formal agreements such as Rights of Entry for Construction and Conservation Easements. For the SRP 10 Segment this work will not be completed until spring 2002.

Outreach meetings have been held with City of Modesto and Stanislaus County public works and planning agency staffs starting in December 1998. The EA/IS for the SRP 9 & 10 projects and the four projects in the Mining Reach went through a public hearing in June 1998. The comments received were addressed in the amended mitigation plan for the EA/IS. The final EA/IS was adopted in June 1999 and it outlines the mitigation and monitoring that are to be followed to minimize impacts associated with the restoration activities.

Attached is the notice for the EA/IS that was sent in June 1997 to the landowners, mining interests and agencies shown on the associated mailing lists. The same lists are used in the periodic project newsletters and 23 June 1999 Public Outreach workshop for the Habitat Restoration Plan. A 16 page summary of the plan can be viewed at the TID web page, www.tid.org. Copies of the notice letters for this phase of the project that were sent to the Stanislaus County Board of Supervisors and Planning Department during the 2000 PSP process are attached because the project scope has not change since that notification. Project concurrence statements from the owners affected by the project, that were acquired during the State Lands Commission permit process in 1999, are attached. While these forms refer to SRP 9, each owner signed for both their parcels with the understanding there would be common access for SRP 10. Refer to the aerial photo for the both projects. Dike repairs for SRP 10 on the Donovan property are scheduled for this summer.

VII COMPLIANCE WITH STANDARD TERMS & CONDITIONS

Applicant is a public entity. The applicable PSP project group type is Public Works Construction.

The applicant agrees to the terms and conditions of the 2001 Proposal Solicitation Package and as amended by CALFED's Responses to PSP Questions dated 12 April 2000 and applicant intends to comply with those terms and conditions.

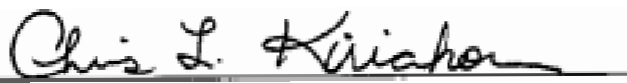
It is anticipated that private contractors will perform a majority of the public works construction effort. The applicant will be deferring the requirement for submission of bid & payment bonds until such time as each subcontract is sought and awarded and before ~~any~~ work under *the* subcontract is performed.

Enclosed are the following completed forms:

Non-collusion Affidavit
Non-discrimination Compliance Statement
Environmental Compliance Checklist
Land Use Checklist
Federal & State contract forms

Submitted by:

TURLOCK IRRIGATION DISTRICT

By 
Chris L. Kiriakou, General Manager

Date: 12 May 2000

f:\erc\restplan\PSP2000 Warner-D.doc

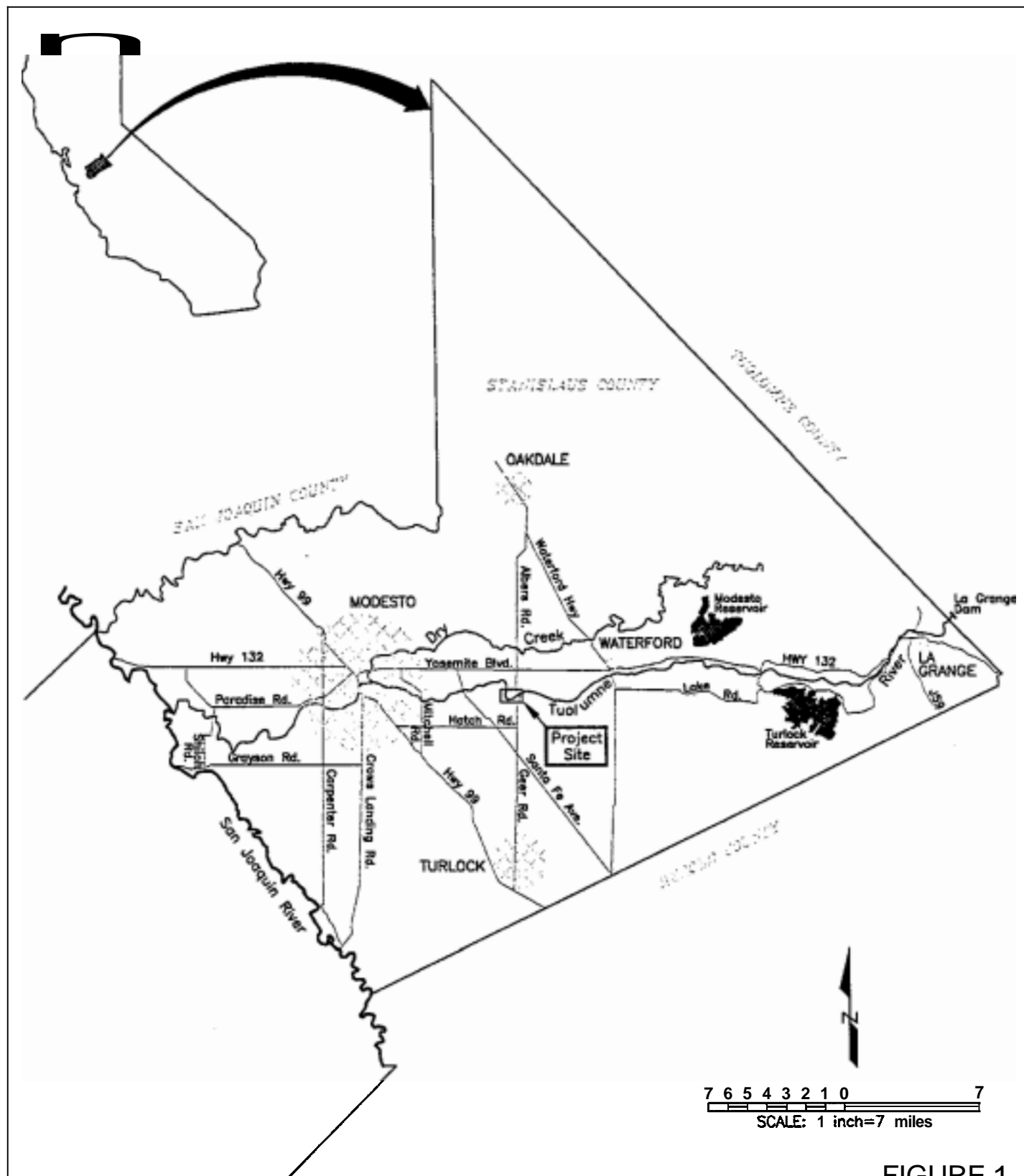
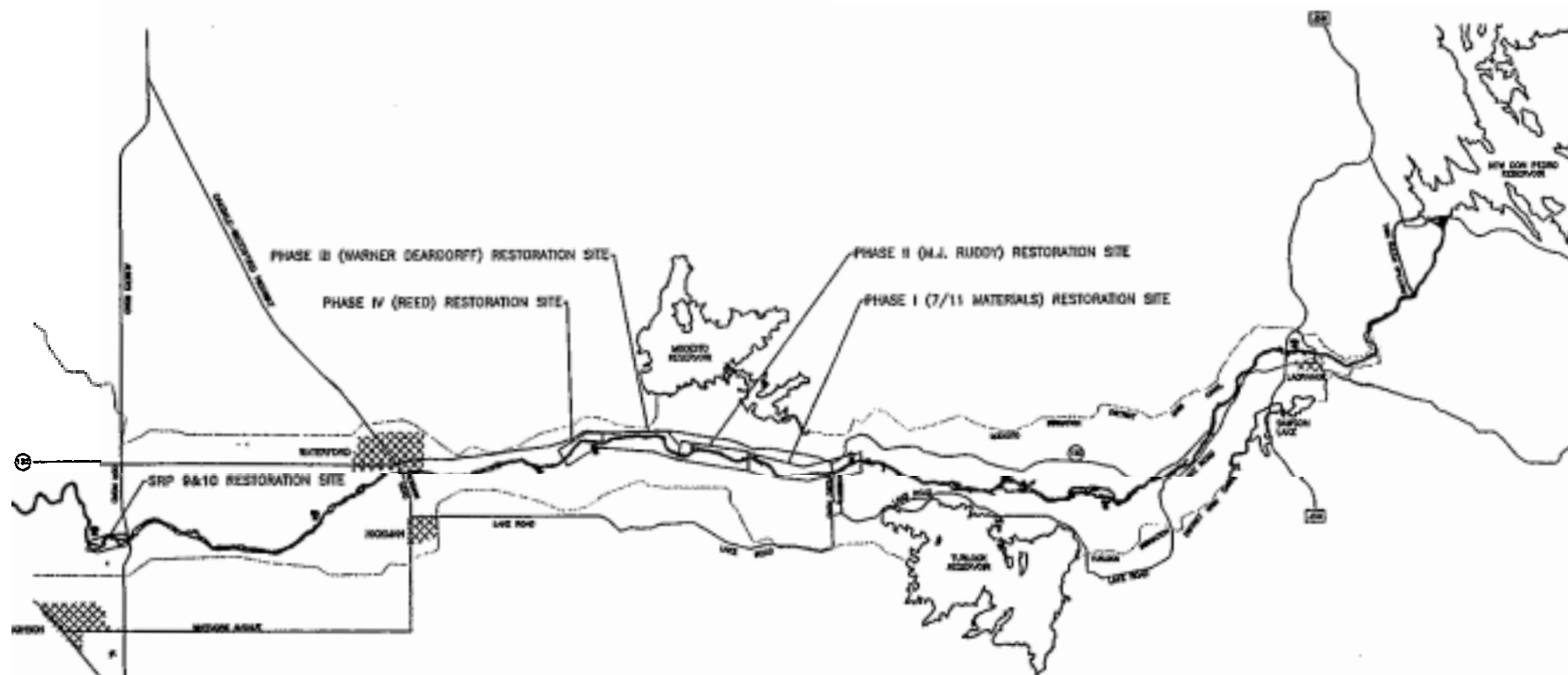


FIGURE 1
 • PROJECT SITE LOCATION
 SRP 9-10 RESTORATION
 TUOLUMNE RIVER MILE 25.1 TO 26.0



Project Location: Special Run Pool 10

Interior Quarter Corner Section 3 T4S RIOE

California Coordinates Datum 83 Zone 3

2047242.62 Northing

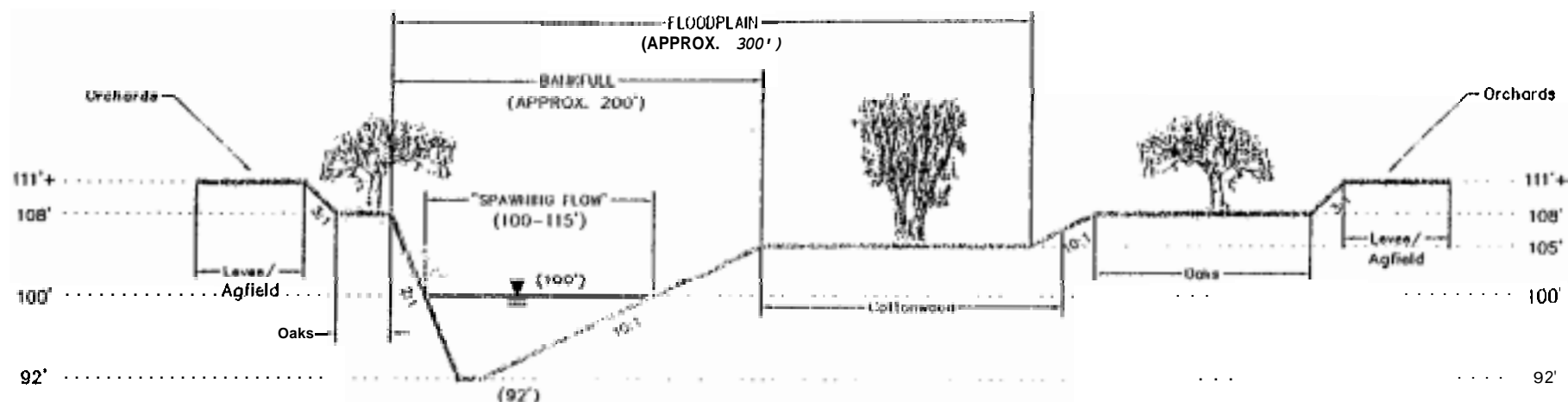
6458217.84 Easting

Latitude / Longitude

37d 37' 0.35519" North

120d 51' 25.9565" West

**FIGURE 2 TUOLUMNE RIVER
GRAVEL MINING REACH AND SRP 9&10
RESTORATION SITE LOCATIONS**



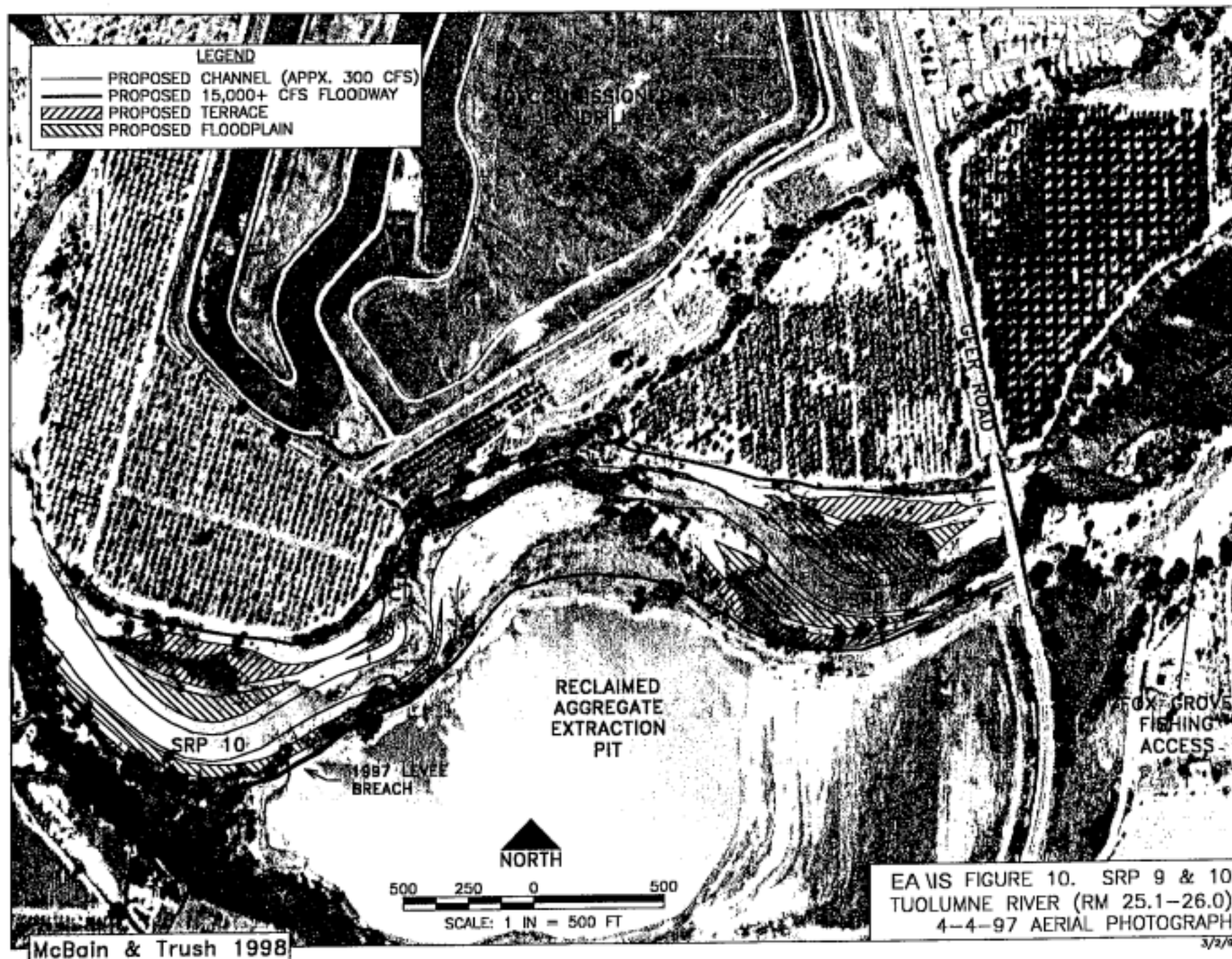
NOTES:

SIDE SLOPE: Horizontal: Vertical
 ELEVATION: Arbitrary Datum
 5X Vertical Exaggeration

Figure 3 Conceptual Design Cross-Section through apex of point bar.

EA® EA ENGINEERING,
 SCIENCE, AND
 TECHNOLOGY

PROJECT NO:	13009.01.2000	DATE:	7/25/95
FILE NAME:	EA-PTBAR.DWG	REVIEWER I..	F. Ligon



Environmental Compliance Checklist

All applicants must fill out this Environmental Compliance Checklist. Applications must contain answers to the following questions to be responsive and to be considered for funding. Failure to answer these questions and include them with the application will result in the application being considered nonresponsive and not considered for funding.

1. Do any of the actions included in the proposal require compliance with either the California Environmental Quality Act (CEQA), the National Environmental Policy Act (NEPA), or both?

✓
YES

NO

2. If you answered yes to #1, identify the lead governmental agency for CEQA/NEPA compliance.

Turlock Irrigation District (CEQA) USFWS (NEPA)
Lead Agency

3. If you answered no to #1, explain why CEQ/NEPA compliance is not required for the actions in the proposal.

4. If CEQA/NEPA compliance is required, describe how the project will comply with either or both of these laws.

Describe where the project is in the compliance process and the expected date of completion.

Project EA/IS with mitigation is complete July 1999 SCH # 98052070

5. Will the applicant require access across public or private property that the applicant does not own to accomplish the activities in the proposal?

✓
YES

NO

If yes, the applicant must attach written permission for access from the relevant property owner(s). Failure to include written permission for access may result in disqualification of the proposal during the review process. Research and monitoring field projects for which specific field locations have not been identified will be required to provide access needs and permission for access with 30 days of notification of approval.

Applicant notified owners in EA/IS process and subsequent public outreach program for June 1999. This is 2nd PSP application for project. Some owners as involved in upstream SRP9 project. Owners signed concurrence forms for all parcels on part of State Lands Commission lease for SRP9 because access is the same.

6. Please indicate what permits or other approvals may be required for the activities contained in your proposal. Check **all** boxes that apply.

LOCAL

Conditional use permit
 Variance
 Subdivision Map Act approval
 Grading permit
 General plan amendment
 Specific plan approval
 Rezone
 Williamson Act Contract
 cancellation
 Other _____
 (please specify)
 None required

<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

STATE

CESA Comoliance
 Streambed alteration permit
 CWA § 401 certification
 Coastal development permit
 Reclamation Board approval
 Notification
 Other State Lands Lease
 (please specify)
 None required

<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

(CDFG)
 (CDFG)
 (RWQCB)
 (Coastal Commission/BCDC)
 (DPC, BCDC)

FEDERAL

ESA Consultation
 Rivers & Harbors Act permit
 CWA § 404 permit
 Other _____
 (please specify)
 None required

<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

(USFWS)
 (ACOE)
 (ACOE)

DPC = Delta Protection Commission
 CWA = Clean Water Act
 CESA = California Endangered Species Act
 USFWS = U.S. Fish and Wildlife Service
 ACOE = U.S. Army Corps of Engineers

ESA = Endangered Species Act
 CDFG = California Department of Fish and Game
 RWQCB = Regional Water Quality Control Board
 BCDC = Bay Conservation and Development Comm.

Land Use Checklist

All applicants must fill out this Land Use Checklist for their proposal. Applications must contain answers to the following questions to be responsive and to be considered for funding. **Failure to answer these questions and include them with the application will result in the application being considered nonresponsive and not considered for funding.**

1. Do the actions in the proposal involve physical changes to the land (i.e. grading, planting vegetation, or breaching levees) or restrictions in land use (i.e. conservation easement or placement of land in a wildlife refuge)?

☒ YES

☐ NO

2. If NO to # 1, explain what type of actions are involved in the proposal (i.e., research only, planning only).

3. If YES to # 1, what is the proposed land use change or restriction under the proposal?

Existing in-channel mining pits will be filled in recreating a pre mining riparian flood way partly on State lands and partly on adjacent private lands. Conservation easements will be acquired on the private lands.

4. If YES to # 1, is the land currently under a Williamson Act contract?

☐ YES

☐ NO

5. If YES to # 1, answer the following:

Current land use

Current zoning

Current general plan designation

open water mining pit
State Lands - River Channel
Flood way

6. If YES to #1, is the land classified as Prime Farmland, Farmland of Statewide Importance or Unique Farmland on the Department of Conservation Important Farmland Maps?

☐ YES

☒ NO

☐ DON'T KNOW

7. If YES to # 1, how many acres of land will be subject to physical change or land use restrictions under the proposal?

3.1 acres will be created

8. If YES to # 1, is the property currently being commercially farmed or grazed?

☐ YES

☒ NO

9. If YES to #8, what are

the number of employees/acre _____

the total number of employees _____

10. Will the applicant acquire any interest in land under the proposal (fee title or a conservation easement)?

✓
YES

NO

11. What entity/organization will hold the interest? Turlock Irrigation District
Modesto I.D will be party to agreement

12. If YES to # 10, answer the following:

Total number of acres to be acquired under proposal

3.1
owner has choice of
ROW instrument.

Number of acres to be acquired in fee

Number of acres to be subject to conservation easement

13. For all proposals involving physical changes to the land or restriction in land use, describe what entity or organization will:

manage the property

Turlock Irr. Dist

provide operations and maintenance services

Turlock Irr. Dist.

conduct monitoring

Turlock Irr. Dist.

14. For land acquisitions (fee title or easements), will existing water rights also be acquired?

YES

✓
NO

15. Does the applicant propose any modifications to the water right or change in the delivery of the water?

✓
YES

NO

16. If YES to # 15, describe Water right will pass to remainder
of land. Owners informed of case law
to protect their rights.

APPLICATION FOR FEDERAL ASSISTANCE

OMB Approval No. 0348-0043

1. TYPE OF SUBMISSION <input checked="" type="checkbox"/> Application Construction <input type="checkbox"/> Non-Construction <input type="checkbox"/> Preapplication Construction <input type="checkbox"/> Non-Construction		2. DATES SUBMITTED 12 May 00	Applicant Identifier																																			
		3. DATE RECEIVED BY STATE	State Application Identifier																																			
		4. DATE RECEIVED BY FEDERAL AGENCY	Federal Identifier																																			
5. APPLICANT INFORMATION																																						
Legal Name: Turlock Irrigation District		Organizational Unit: Water Planning Dept.																																				
Address (give city, county, State, and zip code): PO Box 949 Turlock CA 95381		Name and telephone number of person to be contacted on matters involving this application (give area code): Wilton B. Fryer 209-883-8316																																				
6. EMPLOYER IDENTIFICATION NUMBER (EIN): 94-6001460		7. TYPE OF APPLICANT: (enter appropriate letter in box) <div style="display: flex; justify-content: space-between;"> <div> A. State B. County C. Municipal D. Township E. Interstate F. Intermunicipal G. Special District </div> <div> H. Independent School Dist. I. State Controlled Institution of Higher Learning J. Private University K. Indian Tribe L. Individual M. Profit Organization N. Other (Specify) _____ </div> </div> <div style="text-align: right; margin-top: -20px;"> <input checked="" type="checkbox"/> G </div>																																				
8. TYPE OF APPLICATION <input type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision If Revision, enter appropriate letter(s) in box(es) <input type="checkbox"/> <input type="checkbox"/> A. Increase Award B. Decrease Award C. Increase Duration D. Decrease Duration Other (specify): _____		9. NAME OF FEDERAL AGENCY: USFWS - AFRP USBR - CALFED																																				
10. CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER: <div style="text-align: center;"> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> - <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> </div> TITLE		11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT: Reduce predator (beaver) habitat & water riparian and aquatic habitats for fall run chinook salmon by filling in in-channel mining pit to pre mining conditions for 5 mile segment of Turlock River.																																				
12. AREAS AFFECTED BY PROJECT (Cities, Counties, States, etc.): Stanislaus County California		13. PROPOSED PROJECT																																				
14. CONGRESSIONAL DISTRICTS OF: # 18 Gary Condit		15. ESTIMATED FUNDING:																																				
Start Date May 2001	Ending Date Mar 2003	a. Applicant Turlock Irrigation District																																				
b. Project Special Run Pool 10		16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS? a. YES. THIS PREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESS FOR REVIEW <input checked="" type="checkbox"/> ON DATE _____ b. No. <input type="checkbox"/> PROGRAM IS NOT COVERED BY E.O. 12372 <input type="checkbox"/> OR PROGRAM HAS NOT BEEN SELECTED BY STATE FOR REVIEW																																				
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>1. Federal</td> <td>\$</td> <td>2,384,000</td> <td>00</td> <td>—</td> </tr> <tr> <td>2. Applicant</td> <td>\$</td> <td></td> <td>00</td> <td></td> </tr> <tr> <td>3. State</td> <td>\$</td> <td>2,179,000</td> <td>00</td> <td>—</td> </tr> <tr> <td>4. Local</td> <td>\$</td> <td>30,000</td> <td>00</td> <td>—</td> </tr> <tr> <td>5. Other</td> <td>\$</td> <td></td> <td>00</td> <td></td> </tr> <tr> <td>Program Income</td> <td>\$</td> <td></td> <td>00</td> <td></td> </tr> <tr> <td>6. TOTAL</td> <td>\$</td> <td>4,593,000</td> <td>00</td> <td>—</td> </tr> </table>		1. Federal	\$	2,384,000	00	—	2. Applicant	\$		00		3. State	\$	2,179,000	00	—	4. Local	\$	30,000	00	—	5. Other	\$		00		Program Income	\$		00		6. TOTAL	\$	4,593,000	00	—	17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT? <input type="checkbox"/> Yes If "Yes," attach an explanation. <input checked="" type="checkbox"/> No	
1. Federal	\$	2,384,000	00	—																																		
2. Applicant	\$		00																																			
3. State	\$	2,179,000	00	—																																		
4. Local	\$	30,000	00	—																																		
5. Other	\$		00																																			
Program Income	\$		00																																			
6. TOTAL	\$	4,593,000	00	—																																		
8. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT. THE DOCUMENT HAS BEEN DULY AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS AWARDED.																																						
c. Type Name of Authorized Representative Wilton B. Fryer P.E.		d. Title Water Planning Mgr.																																				
e. Signature of Authorized Representative Wilton B. Fryer		f. Telephone Number 209-883-8316																																				
g. Date Signed 12 May 00																																						

INSTRUCTIONS FOR THE SF-424

Public reporting burden for this collection of information is estimated to average **45** minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0043), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

This is a standard form used by applicants as a required facesheet for preapplications and applications submitted for Federal assistance. It will be used by Federal agencies to obtain applicant certification that States which have established a review and comment procedure in response to Executive Order 12372 and have selected the program to be included in their process, have been given an opportunity to review the applicant's submission.

- | Item: | Entry: |
|--|--|
| 1. Self-explanatory. | 12. List only the largest political entities affected (e.g., State, counties, cities). |
| 2. Date application submitted to Federal agency (or State if applicable) and applicant's control number (if applicable). | 13. Self-explanatory. |
| 3. State use only (if applicable). | 14. List the applicant's Congressional District and any District(s) affected by the program or project. |
| 4. If this application is to continue or revise an existing award, enter present Federal identifier number. If for a new project, leave blank. | 15. Amount requested or to be contributed during the first funding/budget period by each contributor. Value of in-kind contributions should be included on appropriate lines as applicable. If the action will result in a dollar change to an existing award, indicate <u>only</u> the amount of the change. For decreases, enclose the amounts in parentheses. If both basic and supplemental amounts are included, show breakdown on an attached sheet. For multiple program funding, use totals and show breakdown using same categories as item 15. |
| 5. Legal name of applicant, name of primary organizational unit which will undertake the assistance activity, complete address of the applicant, and name and telephone number of the person to contact on matters related to this application. | 16. Applicants should contact the State Single Point of Contact (SPOC) for Federal Executive Order 12372 to determine whether the application is subject to the State intergovernmental review process. |
| 6. Enter Employer Identification Number (EIN) as assigned by the Internal Revenue Service. | 17. This question applies to the applicant organization, not the person who signs as the authorized representative. Categories of debt include delinquent audit disallowances, loans and taxes. |
| 7. Enter the appropriate letter in the space provided. | 18. To be signed by the authorized representative of the applicant. A copy of the governing body's authorization for you to sign this application as official representative must be on file in the applicant's office. (Certain Federal agencies may require that this authorization be submitted as part of the application.) |
| 8. Check appropriate box and enter appropriate letter(s) in the space(s) provided:

-- "New" means a new assistance award.

-- "Continuation" means an extension for an additional funding/budget period for a project with a projected completion date.

-- "Revision" means any change in the Federal Government's financial obligation or contingent liability from an existing obligation. | |
| 9. Name of Federal agency from which assistance is being requested with this application. | |
| 10. Use the Catalog of Federal Domestic Assistance number and title of the program under which assistance is requested. | |
| 11. Enter a brief descriptive title of the project. If more than one program is involved, you should append an explanation on a separate sheet. If appropriate (e.g., construction or real property projects), attach a map showing project location. For preapplications, use a separate sheet to provide a summary description of this project. | |

BUDGET INFORMATION- Construction Programs

NOTE: Certain Federal assistance programs require additional computations to arrive at the Federal share of project costs eligible for participation. If such is the case, you will be notified.

COST CLASSIFICATION	a. Total Cost	^{CAL FED} b. Costs Not Allowable for Participation	^{AFR} c. Total Allowable Costs (Columns a-b)
1. Administrative and legal expenses	\$ 114,000 .00	\$ 54,000 .00	\$ 60,000 .00
2. Land, structures, rights-of-way, appraisals, etc.	\$ 50,000 .00	\$ — .00	\$ 50,000 .00
3. Relocation expenses and payments	\$.00	\$.00	\$.00
4. Architectural and engineering fees	\$ 257,000 .00	\$ — .00	\$ 257,000 .00
5. Other architectural and engineering fees	\$.00	\$.00	\$.00
6. Project inspection fees : Construction Mgt.	\$ 289,000 .00	\$ 161,000 .00	\$ 128,000 .00
7. Site work : Revegetation	\$ 324,000 .00	\$ — .00	\$ 324,000 .00
8. Demolition and removal	\$.00	\$.00	\$.00
9. Construction	\$ 2,976,000 .00	\$ 1,785,000 .00	\$ 1,191,000 .00
10. Equipment	\$.00	\$.00	\$.00
11. Miscellaneous : Monitoring	\$ 174,000 .00	\$ — .00	\$ 174,000 .00
12. SUBTOTAL (sum of lines 1-11)	\$ 4,184,000 .00	\$ 2,000,000 .00	\$ 2,184,000 .00
13. Contingencies	\$ 379,000 .00	\$ 179,000 .00	\$ 200,000 .00
14. SUBTOTAL	\$ 9,563,000 .00	\$ 2,179,000 .00	\$ 7,384,000 .00
15. Project (program) income	\$ 0 .00	\$ 0 .00	\$ 0 .00
16. TOTAL PROJECT COSTS (subtract #15 from #14)	\$ 4,563,000 .00	\$ 2,179,000 .00	\$ 2,384,000 .00
FEDERAL FUNDING			
17. Federal assistance requested, calculate as follows: (Consult Federal agency for Federal percentage share.) Enter the resulting Federal share.	Enter eligible costs from line 16c Multiply X <u>100</u> %		\$ 2,384,000 .00

INSTRUCTIONS FOR THE SF-424C

Public reporting burden for this collection of information is estimated to average 180 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0041). Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

This sheet is to be used for the following types of applications: (1) "New" (means a new [previously unfunded] assistance award); (2) "Continuation" (means funding in a succeeding budget period which stemmed from a prior agreement to fund); and (3) "Revised" (means any changes in the Federal Government's financial obligations or contingent liability from an existing obligation). If there is no change in the award amount, there is no need to complete this form. Certain Federal agencies may require only an explanatory letter to effect minor (no cost) changes. If you have questions, please contact the Federal agency.

Column a. - If this is an application for a "New" project, enter the total estimated cost of each of the items listed on lines 1 through 16 (as applicable) under "COST CLASSIFICATION."

If this application entails a change to an existing award, enter the eligible amounts approved under the previous award for the items under "COST CLASSIFICATION."

Column b. - If this is an application for a "New" project, enter that portion of the cost of each item in Column a. which is not allowable for Federal assistance. Contact the Federal agency for assistance in determining the allowability of specific costs.

If this application entails a change to an existing award, enter the adjustment [+ or (-)] to the previously approved costs (from column a.) reflected in this application.

Column. - This is the net of lines 1 through 16 in columns "a." and "b."

Line 1 - Enter estimated amounts needed to cover administrative expenses. Do not include costs which are related to the normal functions of government. Allowable legal costs are generally only those associated with the purchases of land which is allowable for Federal participation and certain services in support of construction of the project.

Line 2 - Enter estimated site and right-of-way acquisition costs (this includes purchase, lease, and/or easements).

Line 3 - Enter estimated costs related to relocation advisory assistance, replacement housing, relocation payments to displaced persons and businesses, etc.

Line 4 - Enter estimated basic engineering fees related to construction (this includes start-up services and preparation of project performance work plan).

Line 5 - Enter estimated engineering costs, such as surveys, tests, soil borings, etc.

Line 6 - Enter estimated engineering inspection costs.

Line 7 - Enter estimated costs of site preparation and restoration which are not included in the basic construction contract.

Line 9 - Enter estimated cost of the construction contract.

Line 10 - Enter estimated cost of office, shop, laboratory, safety equipment, etc. to be used at the facility, if such costs are not included in the construction contract.

Line 11 - Enter estimated miscellaneous costs.

Line 12 - Total of items 1 through 11.

Line 13 - Enter estimated contingency costs. (Consult the Federal agency for the percentage of the estimated construction cost to use.)

Line 14 - Enter the total of lines 12 and 13.

Line 15 - Enter estimated program income to be earned during the grant period; e.g., salvaged materials, etc.

Line 16 - Subtract line 15 from line 14.

Line 17 - This block is for the computation of the Federal share. Multiply the total allowable project costs from line 16, column "c." by the Federal percentage share (this may be up to 100 percent; consult Federal agency for Federal percentage share) and enter the product on line 17.

ASSURANCES - CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0042), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

NOTE Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the Awarding Agency. Further, certain Federal assistance awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance, and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project costs) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the assistance; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will not dispose of, modify the use of, or change the terms of the real property title, or other interest in the site and facilities without permission and instructions from the awarding agency. Will record the Federal interest in the title of real property in accordance with awarding agency directives and will include a covenant in the title of real property acquired in whole or in part with Federal assistance funds to assure non-discrimination during the useful life of the project.
4. Will comply with the requirements of the assistance awarding agency with regard to the drafting, review and approval of construction plans and specifications.
5. Will provide and maintain competent and adequate engineering supervision at the construction site to ensure that the complete work conforms with the approved plans and specifications and will furnish progress reports and such other information as may be required by the assistance awarding agency or State.
6. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
7. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
8. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
9. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
10. Will comply with all Federal statutes relating to non-discrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681 1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.

11. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal and federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
12. Will comply with the provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.
13. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333) regarding labor standards for federally-assisted construction subagreements.
14. Will comply with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
15. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §57401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
16. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
17. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq.).
18. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
19. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL		TITLE	
<i>William B. Feyer</i>		<i>Water Planning Dept. Mgr.</i>	
APPLICANT ORGANIZATION		DATE SUBMITTED	
<i>Turlock Irrigation District</i>		<i>12 May 00</i>	

U.S. Department of the Interior

Certifications Regarding Debarment, Suspension and
Other Responsibility Matters, Drug-Free Workplace
Requirements and Lobbying

Persons signing this form should refer to the regulations referenced below for complete instructions:

Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transactions - The Prospective primary participant further agrees by submitting this proposal that it will include the clause titled, "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - lower Tier Covered Transaction," provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions. See below for language to be used; use this form for certification and sign; or use Department of the Interior Form 1954 (DI-1954). (See Appendix A of Subpart D of 43 CFR Part 12.)

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transactions - [See Appendix B of Subpart D of 43 CFR Part 12.]

Certification Regarding Drug-Free Workplace Requirements - Alternate I. [Grantees Other Than Individuals and Alternate II. (Grantees Who are Individuals) - (See Appendix C of Subpart D of 43 CFR Part 12.)

Signature on this form provides for compliance with certification requirements under 43 CFR Parts 12 and 18. The certifications shall be treated as a material representation of fact upon which reliance will be placed when the Department of the Interior determines to award the covered transaction, grant, cooperative agreement or loan.

PART A: Certification Regarding Debarment, Suspension, and Other Responsibility Matters -
Primary Covered Transactions

CHECK ☒ IF THIS CERTIFICATION IS FOR A PRIMARY COVERED TRANSACTION AND IS APPLICABLE.

(1) The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:

- (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
- (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public [Federal, State or local] transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification: and
- (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

(2) Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

PART B: Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion -
Lower Tier Covered Transactions

CHECK ☐ IF THIS CERTIFICATION IS FOR A LOWER TIER COVERED TRANSACTION AND IS APPLICABLE.

- (1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- (2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

DI-2010
March 1995
(This form consolidates DI-1953, DI-1954,
DI-1955, DI-1956 and DI-1963)

PART C: Certification Regarding Drug-Free Workplace Requirements

CHECK ☒ IF THIS CERTIFICATION IS FOR AN APPLICANT WHO IS NOT AN INDIVIDUAL.

Alternate I. (Grantees Other Than Individuals)

A. The grantee certifies that it will or continue to provide a drug-free workplace by:

- (a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;
- (b) Establishing an ongoing drug-free awareness program to inform employees about--
 - (1) The dangers of drug abuse in the workplace;
 - (2) The grantee's policy of maintaining a drug-free workplace;
 - (3) Any available drug counseling, rehabilitation, and employee assistance programs; and
 - (4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;
- (c) Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph (a);
- (d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will --
 - (1) Abide by the terms of the statement; and
 - (2) Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction;
- (e) Notifying the agency in writing, within ten calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title, to every grant officer on whose grant activity the convicted employee was working, unless the Federal agency has designated a central point for the receipt of such notices. Notice shall include the identification number(s) of each affected grant;
- (f) Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted --
 - (1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or
 - (2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency;
- (g) Making a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs (a), (b), (c), (d), (e) and (f).

B. The grantee may insert in the space provided below the site(s) for the performance of work done in connection with the specific grant:

Place of Performance [Street address, city, county, state, zip code]

Turlock Irrigation District
233 East Canal Drive
Turlock CA 95380

Check ☐ if there are workplaces on file that are not identified here.

PART D: Certification Regarding Drug-Free Workplace Requirements

CHECK ☐ IF THIS CERTIFICATION IS FOR AN APPLICANT WHO IS AN INDIVIDUAL.

Alternate II. [Grantees Who Are Individuals]

- (a) The grantee certifies that, as a condition of the grant, he or she **will** not engage in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance in conducting any activity with the grant;
- (b) If convicted of a criminal drug offense resulting from a violation occurring during the conduct of any grant activity, he or she **will** report the conviction, in writing, within **10** calendar days of the conviction, to the grant officer or other designee, unless the Federal agency designates a central point for the receipt of such notices. When notice is made to such a central point, it shall include the identification number(s) of each affected grant.

DI-2010
March 1995
(This form consolidates DI-1953, DI-1954,
DI-1955, DI-1956 and DI-19631)

PART B: Certification Regarding Lobbying
Certification for Contracts, Grants, Loans, and Cooperative Agreements

CHECK ☒ IF CERTIFICATION IS FOR THE AWARD OF ANY OF THE FOLLOWING AND
THE AMOUNT EXCEEDS \$100,000: A FEDERAL GRANT OR COOPERATIVE AGREEMENT,
SUBCONTRACT, OR SUBGRANT UNDER THE GRANT OR COOPERATIVE AGREEMENT.

CHECK ☐ IF CERTIFICATION IS FOR THE AWARD OF A FEDERAL
LOAN EXCEEDING THE AMOUNT OF \$750,000, OR A SUBGRANT OR
SUBCONTRACT EXCEEDING \$ 700,000, UNDER THE LOAN.

The undersigned certifies, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, and officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

As the authorized certifying official, I hereby certify that the above specified certifications are true.

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL

Wilton B Fryer

TYPED NAME AND TITLE

Wilton B Fryer Water Planning Dept. Mgr.

DATE

12 May 00

NONDISCRIMINATION COMPLIANCE STATEMENT

STD. 15 (REV. 3-95) FMC

Turlock Irrigation District

COMPANY NAME

The company **named** above (hereinafter referred to as "prospective contractor") hereby certifies, unless specifically exempted, compliance with Government Code Section 12990 (a-f) and California Code of Regulations, Title **2**, Division **4**, Chapter 5 in matters relating to reporting requirements **and** the development, implementation and maintenance of a Nondiscrimination Program. Prospective contractor agrees not to unlawfully **discriminate**, harass or **allow** harassment against any employee or **applicant** for employment because of sex, race, color, ancestry, **religious** creed, national **origin**, **disability** (including HIV and **AIDS**), medical condition (**cancer**), **age**, marital **status**, denial of **family and** medical care leave and denial of pregnancy **disability** leave.

CERTIFICATION

I, the official named below, hereby swear that I am duly authorized to legally bind the prospective contractor to the above described certification. I am fully aware that this certification, executed on the date and in the county below, is made under penalty of perjury under the laws of the State of California.

OFFICIAL'S NAME

Wilton B Fryer

DATE EXECUTED

12 May 00

EXECUTED IN THE COUNTY OF

Stanislaus

PROSPECTIVE CONTRACTOR'S SIGNATURE

Wilton B Fryer

PROSPECTIVE CONTRACTOR'S TITLE

Water Planning Dept. Mgr.

PROSPECTIVE CONTRACTOR'S LEGAL BUSINESS NAME

Turlock Irrigation District

NONCOLLUSION AFFIDAVIT TO RE EXECUTED BY BIDDER AND SUBMITTED WITH RID FOR PUBLIC WORKS

STATE OF CALIFORNIA)
)ss
COUNTY OF Stanislaus)

Wilton B Fryer , being first duly sworn, deposes and
(name)
says that he or she is Water Planning Dept. Mgr. of
(position title)
Turlock Irrigation District
(the bidder)

the party making the foregoing bid that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

DATED: 12 May 00

By William Boyer
(person signing for bidder)

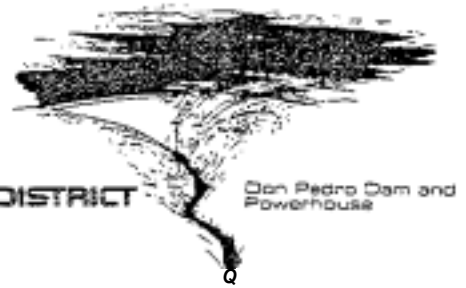
Subscribed and sworn to before me on

Gail Hughes /-
(Notary Public) ♂



TURLOCK IRRIGATION DISTRICT

333 EAST CANAL DRIVE
POST OFFICE BOX 949
TURLOCK, CALIFORNIA 95381
(209) 863-8300



12 May 2000

Ron Freitas, Director
Stanislaus County Dept. of Planning
1010 Tenth St., Suite 3400
Modesto, CA 95354

RE: Salmon Habitat Restoration Construction Projects

Dear Mr. Freitas,

The CALFED Bay-Delta Program has developed a Proposal Solicitation Package for funding Ecosystem Restoration Projects and Programs in 2001. The Turlock and Modesto Irrigation Districts have been actively working on several fall-run salmon habitat restoration projects along the Tuolumne River since 1997. The TID is the program manager for these projects and coordinator for the Tuolumne River Technical Advisory Committee, TRTAC, which oversees the development of the projects.

This letter is a formal notice that on behalf of the TRTAC, the TID will be submitting two restoration proposals to CALFED for funding in 2001. This is a reapplication for funding of projects identified in our 13 Apr 99 letter. The first is called Mining Reach No. 3, Warner-Deardorff Segment and is located between River Mile 36.5 and 35.1 below the Roberts Ferry Bridge. The second is called SRP 10, located at River Mile 25 below the Geer Road Bridge. Project work in 2001 would consist of engineering design, ROW acquisition, and permitting. We anticipate the actual construction would start in 2002 and end in 2003.

These two projects are a continuation of the work started in 1998 with the filing of a mitigated EAS for all six projects currently identified by the TRTAC. We are actively working on these projects with Bob Kachel of your staff. Currently CALFED and the US Fish & Wildlife Service Anadromous Fish Restoration Program have funded the first three projects. Construction on the first Mining Reach project is anticipated to start late this summer. If you have any questions please call me at 209-883-8316.

Sincerely,
TURLOCK IRRIGATION DISTRICT

A handwritten signature in dark ink, appearing to read "Wilton B. Fryer".

Wilton B. Fryer, P.E.
Water Planning Department Manager

wbf: \\erc\projects\calfed\Warner\PSPlanningletter00.doc



TURLOCK IRRIGATION DISTRICT
333 EAST CANAL DRIVE
POST OFFICE BOX 849
TURLOCK, CALIFORNIA 95381
(209) 883-8300



12 May 2000

Ray Simon, Chairman
Stanislaus County Board of Supervisors
1100 H St., 2nd Floor
Modesto, CA 95354

RE: Salmon Habitat Restoration Construction Projects

Dear Mr. Simon,

The CALFED Bay-Delta Program has developed a Proposal Solicitation Package for funding Ecosystem Restoration Projects and Programs in 2001. The Turlock and Modesto Irrigation Districts have been actively working on several fall-run salmon habitat restoration projects along the Tuolumne River since 1997. The TID is the program manager for these projects and coordinator for the Tuolumne River Technical Advisory Committee, TRTAC, which oversees the development of the projects.

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Sincerely,
TURLOCK IRRIGATION DISTRICT

A handwritten signature in black ink, appearing to read "Wilton B. Fryer".

Wilton B. Fryer, P.E.
Water Planning Department Manager

wbf: \\ferc\projects\calfed\warner\PSPlanningletter00.doc



TUOLUMNE RIVER TECHNICAL ADVISORY COMMITTEE

DON PEDRO PROJECT - FERC LICENSE 2299

MODESTO IRRIGATION DISTRICT
TURLOCK IRRIGATION DISTRICT
CITY & COUNTY OF SAN FRANCISCO
CALIFORNIA DEPARTMENT OF FISH & GAME
U. S. FISH & WILDLIFE SERVICE



333 East Canal Drive
Turlock, CA 95381-0949
Phone: (209) 883-8275
Fax: (209) 656-2143
Email: tjford@tid.org

Wilton Fryer
Restoration Program Manager
Turlock Irrigation District
333 East Canal Drive
Turlock, CA 95381-0949

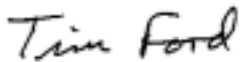
May 10,2000

Dear Mr. Fryer:

The TRTAC supports the proposal for the SRP 10 project submitted by you on behalf of the TRTAC. This project will continue the restoration effort to improve salmonid and riparian habitat conditions in this reach of the Tuolumne River. The TRTAC believes this project represents an important restoration action consistent with the Tuolumne River Habitat Restoration Plan and will complement other restoration projects that are underway in the Tuolumne River corridor.

The Tuolumne River Technical Advisory Committee (TRTAC) is a product of the 1995 Don Pedro Project FERC Settlement Agreement (FSA). The FSA is a precedent-setting document signed by 11 parties representing water agencies, fishery agencies, and environmental groups. The TRTAC has completed a Habitat Restoration Plan for the 52-mile reach known as the Lower Tuolumne River, from La Grange Dam to the San Joaquin River. The FSA, the habitat plan, and salmonid restoration plans developed by both the CDFG and US Fish and Wildlife Service, all recognize the importance of and the need for improvements from existing conditions.

Authorized by and signed on behalf of the TRTAC,



Tim Ford
Coordinator, TRTAC
Turlock and Modesto Irrigation Districts

Tim Heyne
California Department of Fish and Game

Gary Taylor
U. S. Fish and Wildlife Service

Ron Yoshiyama
City and County of San Francisco

Jenna Olsen
Tuolumne River Preservation Trust

Nicole Sandkulla
Bay Area Water Users Association

Dave Boucher
Friends of the Tuolumne

CC: TRTAC e-mail distribution

Response to Comments

**Tiered Environmental Assessment and
Initial Study/Mitigated Negative Declaration**

**Anadromous Fish Restoration Program
Tuolumne River Riparian Zone Improvements**

**Gravel Mining Reach & Special Run Pools 9/10
Restoration and Mitigation Projects**



**Sacramento Field Office
United States Fish and Wildlife Service
Sacramento, California**



**Turlock Irrigation District
Turlock, California**

SCH# 98052070

July 1999

OWNER OPERATOR LIST

First	Last	Mail	City	State	Zip	Parcel	Project
Rowe	Barney	19400 Yosemite Rd.	Waterford	CA	95386	008-07-35	7-11 Reach
Don	Crooker	21166 Yosemite Rd.	Waterford	CA	95386	008-08-08	7-11 Reach
Wendell	Reed	PO Box 3191	Modesto	CA	95353	008-11-01	7-11 Reach
Lillian	Riley	1539 Sayre St.	San Leandro	CA	94579	008-07-16	7-11 Reach
Ken	Riley	14868 Saturn Dr	San Leandro	CA	94578	008-07-16	7-11 Reach
Wesley	Sawyer	600 Roberts Ferry Rd.	Waterford	CA	95386	008-07-20	7-11 Reach
Wesley	Sawyer	600 Roberts Ferry Rd.	Waterford	CA	95386	008-07-23	7-11 Reach
Tom	Sawyer	619 Roberts Ferry Rd.	Waterford	CA	95386	008-11-05	7-11 Reach
Wesley	Sawyer	600 Roberts Ferry Rd.	Waterford	Ca	95386	008-12-02	7-11 Reach
Mark	van Overbee	660 Geer Court	Modesto	CA	95354	008-07-34	7-11 Reach
Betty	Wynne	19411 Lake Rd.	Hickman	CA	95323	008-11-02	7-11 Reach
Anthony	Donovan	1745 Mc Cormick St.	Turlock	CA	95380	018-04-12	SRP 9 & 10
Anthony	Donovan	1745 Mc Cormick St.	Turlock	CA	95380	018-04-13	SRP 9 & 10
State of Calif	Gen. Service	P.O. Box 2048	Stockton	CA	95201	018-03-06	SRP 9 & 10
Wil	Streeter	879 Geer Rd.	Modesto	CA	95354	018-03-17	SRP 9 & 10
W	Streeter	879 Geer Rd.	Modesto	CA	95354	018-03-20	SRP 9 & 10
Joe	Ruddy	P.O. Box 3042	Modesto	CA	95353	008-05-10	Ruddy Reach
Joe	Ruddy	P.O. Box 1504	Modesto	CA	95353	008-06-04	Ruddy Reach
Joe	Ruddy	P.O. Box 1504	Modesto	CA	95353	008-06-05	Ruddy Reach
Joe	Ruddy	P.O. Box 1504	Modesto	CA	95353	008-06-06	Ruddy Reach
Joe	Ruddy	P.O. Box 1504	Modesto	CA	95323	008-10-01	Ruddy Reach
Joe	Ruddy	P.O. Box 1504	Modesto	CA	95353	008-10-23	Ruddy Reach
Joe	Ruddy	P.O. Box 1504	Modesto	CA	95353	008-10-26	Ruddy Reach
State of Calif	Gen. Service	P.O. Box 2048	Stockton	CA	95201	008-10-32	Warner Reach
Ed	Garcia	1136 Charles Rd.	Hughson	CA	95326	018-03-19	SRP 10
Adeline	Solari	876 Charles Rd	Hughson	CA	95326	018-03-03	SRP 10
Douglas	Starn	6621 Blue Gum Rd.	Hughson	CA	95326	018-03-14	SRP 10
Charles	Claus	1012 Bristol Ln.	Modesto	CA	95350	008-09-14	Warner Reach
Walter	Deardorff	16825 Lampley Rd.	Waterford	CA	95323	008-09-15	Warner Reach
Roger	Warner	307 Denton Rd.	Hickman	CA	95323	008-10-22	Warner Reach
Bret	Warner	261 Denton Rd.	Hickman	CA	95323	008-10-34	Warner Reach
Kurt	Warner	471 Denton Rd.	Hickman	CA	95323	008-10-35	Warner Reach
Hollis	Warner	419 Denton Rd.	Hickman	CA	95323	008-10-37	Warner Reach
Roger	Warner	307 Denton Rd.	Hickman	CA	95323	008-10-38	Warner Reach
Charles	Golding	15930 Lampley Rd.	Hickman	CA	95324	080-14-05	Reed Reach
Lillian	Hampton	16231 Lampley Rd	Hickman	CA	95323	008-09-09	Reed Reach
Joyce	LaMunyon	500 Pauline Ave.	Modesto	CA	95358	080-14-03	Reed Reach
Linda	Larrick	15648 Yosemite Blvd.	Waterford	CA	95323	080-15-18	Reed Reach
Wendell	Reed	P.O. BOX 3191	Modesto	CA	95353	008-05-14	Reed Reach
Rose	Reed	P.O. Box 3191	Modesto	CA	95353	008-09-10	Reed Reach
Wendell	Reed	P.O. Box 3191	Modesto	CA	95353	080-14-06	Reed Reach
Wendell	Reed	P.O. Box 3191	Modesto	CA	95353	008-11-01	7-11 Reach
Carol	Vierra	P.O. Box 3191	Modesto	CA	95353	operator	7-11 Reach
Robert	Wooley	19701 Lake Rd.	Hickman	CA	95323	Wynne tenant	7-11 Reach
William	Brown	P.O. Box 3042	Modesto	CA	95352	operator	Ruddy Reach
Ron	Turcotte	P.O. Box 3042	Modesto	CA	95352	operator	Ruddy Reach
Don	Crooker	409 Greenwich Ct.	Modesto	CA	95350	008-12-01	source
Linda	Falasco	P.O. Box 1111	Los Banos	CA	93635	operator asso.	CMAC
Phil	Short	1376 Swanson Rd.	Hughson	CA	95326		TID Bd. Of Dir.

Tuolumne River Restoration

AGENCY LIST

Agencies

First	Last	Company	Mall	City	State	Zip	Phone
Ron	Milligan	Army Corp of Engineers	1325 "J" St. Room 1430	Sacramento	CA	95814	916-557-6726
Cindy	Darling	CALFED	1416 Ninth St., Suite 1155	Sacramento	CA	95814	916-657-2666
James	Pompy	Calif. Dept. of Conservation	801 "K" St., MS 12-30	Sacramento	CA	95814-3531	916-445-1825
William	Loudermilk	Calif. Dept. of Fish & Game	1234 E. Shaw Ave.	Fresno	CA	93710	209-222-3761
Steve	Ford	Calif. Dept. of Water Resources	3251 "S" Street	Sacramento	CA	95816	916-227-7534
Kevin	Faulkenbury	Calif. Dept. of Water Resources	3374 E. Shields Ave.	Fresno	CA	93726	209-445-5286
William	Jennings	Calif. Sport Fishing Protection Alliance	3536 Rainier Ave.	Stockton	CA	95204	209-464-5090
Dan	Steele	CALTRANS Environmental Program	1976 E. Charter Way	Stockton	CA	95201	
Ron	Yoshiyama	CCSF	Dept. of WFCB, U.C. Davis	Davis	CA	95616	916-752-0205
Linda	Falasco	CV Rock Sand Gravel Asso.	P.O. Box 1111	Los Banos	CA	93635	209-826-5955
Tom	Taylor	ENTRIX	590 Ygnacio Valley # 200	Walnut Creek	CA	94596	510-935-9920
Barbara	Ashworth	FEMA	3695 Bleckley St.	Mather	CA	95655	
John	Schnagl	FERC	888 First St. N.E.	Washington	D.C.	20426	202-219-2661
Dave & Allison	Boucher	Friends of the Tuolumne	2412 Hilo Lane	Ceres	CA	95307	209-537-7533
John	Farnkopf	Hilton, Farnkopf, & Hobson	2201 Walnut Ave. Suite 280	Fremont	CA	94538-2334	510-713-3273
Cort	Hiebert	J. Massey Atlantic Mutual					818-240-5530
Allen	Short	Modesto Irrigation District	P.O. box 4060	Modesto	CA	95352	209-526-7405
Chris	Mobley	National Marine Fishery Service	777 Sonoma Ave., Rm 325	Santa Rosa	CA	95404	
Michael	McElhiney	NRCS	711 County Center III, Suite B	Modesto	CA	95355	209-569-0497
Ranny	Eckstrom	Office of Emergency Services	2800 Meadowview Road	Sacramento	CA	95832	916-364-3359
Donn	Furman	Office of the City Attorney (CCSF)	1390 Market St. Suite 250	San Francisco	CA	94102	415-554-3961
Zede	Grader	PCFFA	P.O. Box 783	Mendocino	CA	95460	707-937-4145
Raymond	Barsch	Reclamation Board	1416 Ninth Street	Sacramento	CA	95814	916-653-5434
Greg	Vaughn	Regional Water Quality Control Bd.	3443 Routier Rd., Suite A	Sacramento	CA	95827-3098	
Art	Jensen	SFBWUA	155 Bovet Road, Suite 410	San Mateo	CA	94402	650-349-3000
Tracey	Bettencourt	SJV Unified Air Pollution Control District	4130 Kiernan Ave., Suite 130	Modesto	CA	95356	
Robert	Kachel	Stanislaus County Planning Dept.	1100 "H" Street	Modesto	CA	95354	209-525-6330
Diane	Jones	State Lands Commission	100 Howe Ave., Suite 100-South	Sacramento	CA	95825	916-574-1843
Tim	Ramirez	Tuolumne River Preservation Trust	Fort Mason Building C	San Francisco	CA	94123	415-292-3531
Phil	Short	Turlock Irrigation District	1376 Swanson Road	Hughson	CA	95326	209-883-4374
Paul	Elias	Turlock Irrigation District	P.O. Box 949	Turlock	CA	95881	209-883-8211
Gary	Taylor	U.S. Fish & Wildlife Service	3310 El Camino Ave., Suite 130	Sacramento	CA	95821	916-979-2117
John	Brooks	U.S. Fish & Wildlife Service	3310 El Camino Ave., Suite 130	Sacramento	CA	95821	916-979-2745

TURLOCK IRRIGATION DISTRICT
TUOLUMNE RIVER RESTORATION PROGRAM

Special Run Pool 9

Project Concurrence Agreement

The Turlock Irrigation District, (District), is responsible for construction of habitat restoration projects on the Tuolumne River corridor. The District has identified a specific restoration project on the river called the Special Run Pool 9. This project will involve restoration work along the river on portions of the property identified below. Conservation easements for the project will be acquired ~~from~~ the landowners prior to actual restoration work commencing.

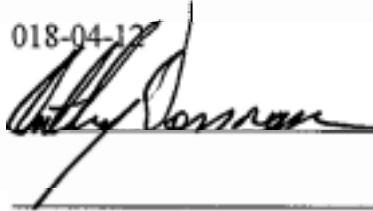
The State Lands Commission (SLC) requires that landowners affected by such projects concur with the project prior to the commission issuing a lease to the District for restoration work in the river. Completion of site specific details and appraisals will not be finished prior the next SLC hearing regarding issuing a lease to the District. The undersigned landowner concurs with the project and is actively working with the District to complete the conservation easement process.

Parcel Number

018-04-12

Anthony Donovan

Land Owner(s)



Date



TURLOCK IRRIGATION DISTRICT
TUOLUMNE RIVER RESTORATION PROGRAM

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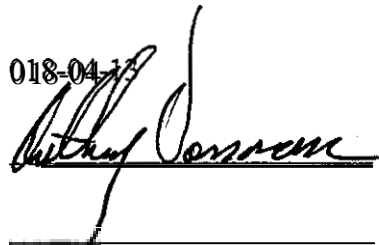
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Parcel Number

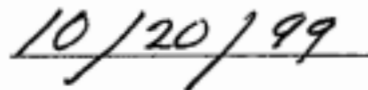
018-04-13

Anthony Donovan

Land Owner(s)



Date



TURLOCK IRRIGATION DISTRICT
TUOLUMNE RIVER RESTORATION PROGRAM

Special Run Pool 9.

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Parcel Number

018-03-20

Wil Streeter

Land Owner(s)



Date

10/18/99

TURLOCK IRRIGATION DISTRICT
TUOLUMNE RIVER RESTORATION PROGRAM

Special Run Pool 9

Project Concurrence Agreement

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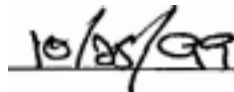
018-03-17

Wil Streeter

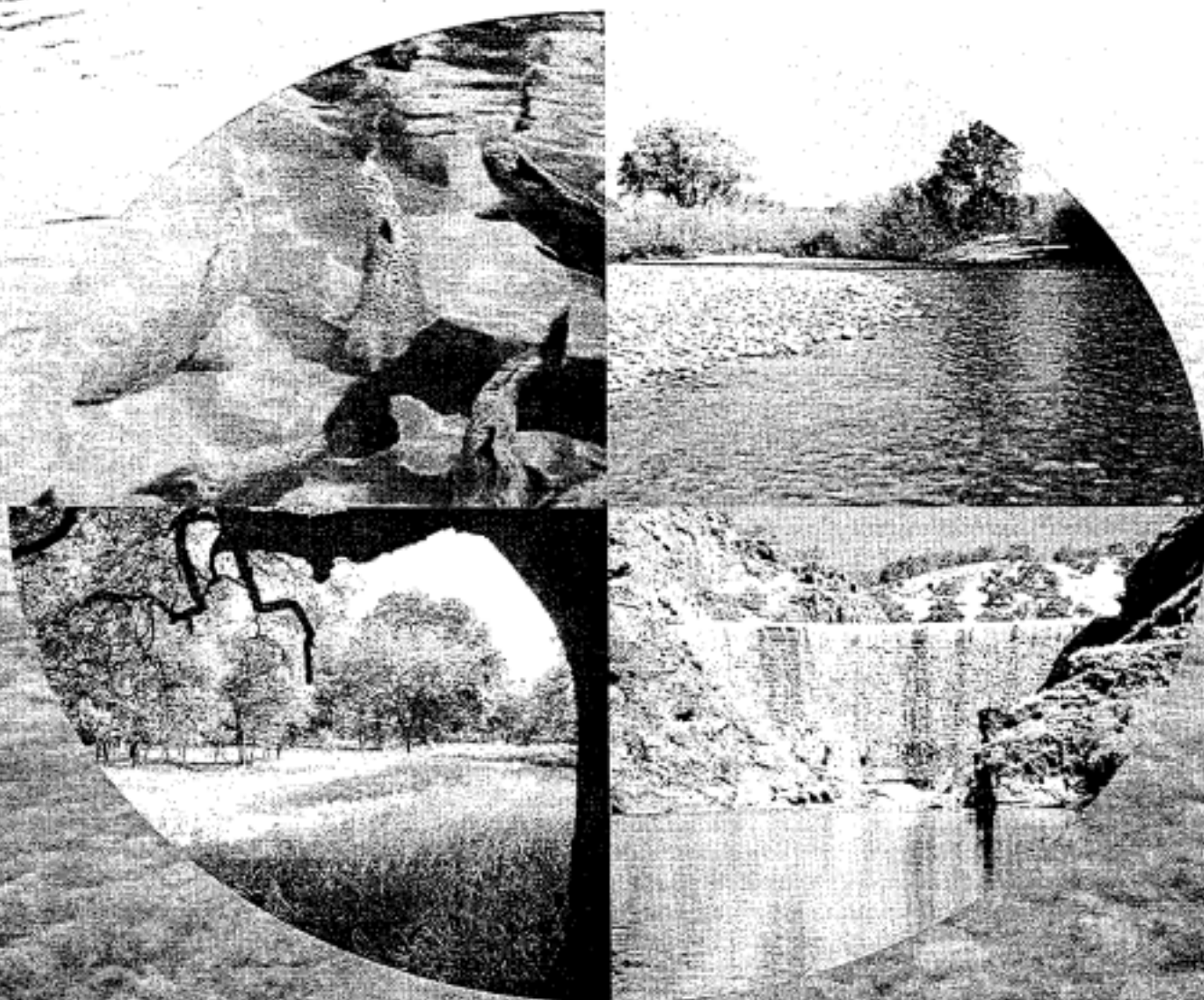
Land Owner(s)

A handwritten signature in black ink, appearing to read 'Wil Streeter', is written over a horizontal line. The signature is stylized and somewhat cursive.

Date

A handwritten date '10/25/99' in black ink is written over a horizontal line. The ink is dark and the handwriting is clear.

Habitat Restoration Plan for the Lower Tuolumne River Corridor



Prepared for:
The Tuolumne River Technical Advisory Committee

March 2000

**HABITAT RESTORATION PLAN FOR THE LOWER TUOLUMNE RIVER
CORRIDOR**

FINAL REPORT

Prepared for:

The Tuolumne River Technical Advisory Committee

With assistance **from:**

US Fish and Wildlife Service
Anadromous Fish Restoration Program

Prepared **by:**

McBain & Trush
P.O.Box 663
Arcata, CA 95518
(707) 826-7794

March 2000